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DATA FOR NASA'S AVE VI EXPERIMENT: 25-MB SOUNDING
DATA AND SYNOPTIC CHARTS

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Marshall Space Flight Center, Alabama*

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16. ABSTRACT This report describes the AVE VI Experiment and presents tabulated rawinsonde data at 25-mb intervals from the surface to 25 mb for the 22 stations participating in the experiment. Soundings were taken between 0000 GMT May 27 and 1200 GMT May 28, 1977. The methods of data processing and the accuracy are briefly discussed. Synoptic charts prepared from the data are presented together with an example of contact data.			
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DATA FOR NASA'S AVE VI EXPERIMENT:
25-MB SOUNDING DATA AND SYNOPTIC CHARTS

by

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I. Introduction

To date, NASA has conducted five Atmospheric Variability Experiments (AVE) and two Atmospheric Variability and Severe Storm Experiments (AVSSE). The dates, observation times, and data reports are detailed in Table 1. This report contains the data and information concerning AVE VI.

The AVE experiments are conducted primarily for the purpose of studying atmospheric variability with emphasis on spatial and temporal changes in the structure of the atmosphere that could be determined from soundings taken at 3-h intervals and would not be detected in soundings taken at 12-h intervals. Studies, in fact, have shown significant variability and changes in atmospheric structure from the 3-h data that are not present in the 12-h data (Scoggins et al., 1973; Overall and Scoggins, 1975; and Wilson and Scoggins, 1975).

The data reduction program and error analysis have been presented by Fuelberg (1974).

II. The AVE VI Experiment

Twenty-two rawinsonde stations participated in the AVE VI experiment. A list of these stations is presented in Table 2, and their locations are mapped in Figure 1. Soundings were taken at eight times: May 27, 1977 at 0000 GMT, 1200 GMT, 1500 GMT, 1800 GMT, 2100 GMT, and May 28 at 0000 GMT, 0300 GMT, and 1200 GMT.

The main objectives of the AVE VI experiment are to compare satellite data with rawinsonde data and to investigate the structure and dynamics of the atmosphere associated with severe storms (with particular interests

Table 1. Summary of AVE experiments.

Experiment	Dates	Observation Times (GMT)	Data Reports
AVE I	19-22 February 1973	2/19 - 00, 03, 06, 09, 12, 15, 18, 21 2/20 - 00, 13, 16, 19, 12, 15, 18, 21 2/21 - 00, 03, 06, 09, 12, 15, 18, 21 2/22 - 00, 03, 06, 09, 12, 15, 18, 21 2/23 - 00	Scoggins and Smith (1973a and b)
AVE II	11-12 May 1974	5/11 - 12, 15, 18, 21 5/12 - 00, 03, 06, 09, 12	Scoggins and Turner (1974) Fuelberg and Turner (1974)
AVE III	6-9 February 1975	2/6 - 00, 06, 12, 15, 18, 21 2/7 - 00, 06, 12	Fuelberg and Turner (1975)
AVE IV	24-25 April 1975	4/24 - 00, 06, 12, 15, 18, 21 4/25 - 00, 06, 12	Fucik and Turner (1975)
AVSSE I	27-28 April 1975	4/27 - 12, 15, 18, 21 4/28 - 00, 03, 12	Fucik and Turner (1975)
AVSSE II	6-7 May 1975	5/6 - 12, 15, 18, 21 5/7 - 00, 03, 12	Fucik and Turner (1975)
AVE V	11-12 June 1976	6/11 - 00, 12, 15, 18, 21 6/12 - 00, 03, 12	Humbert and Hill (1977)
AVE VI	27-28 May 1977	5/27 - 00, 12, 15, 18, 21 5/28 - 00, 03, 12	This Report

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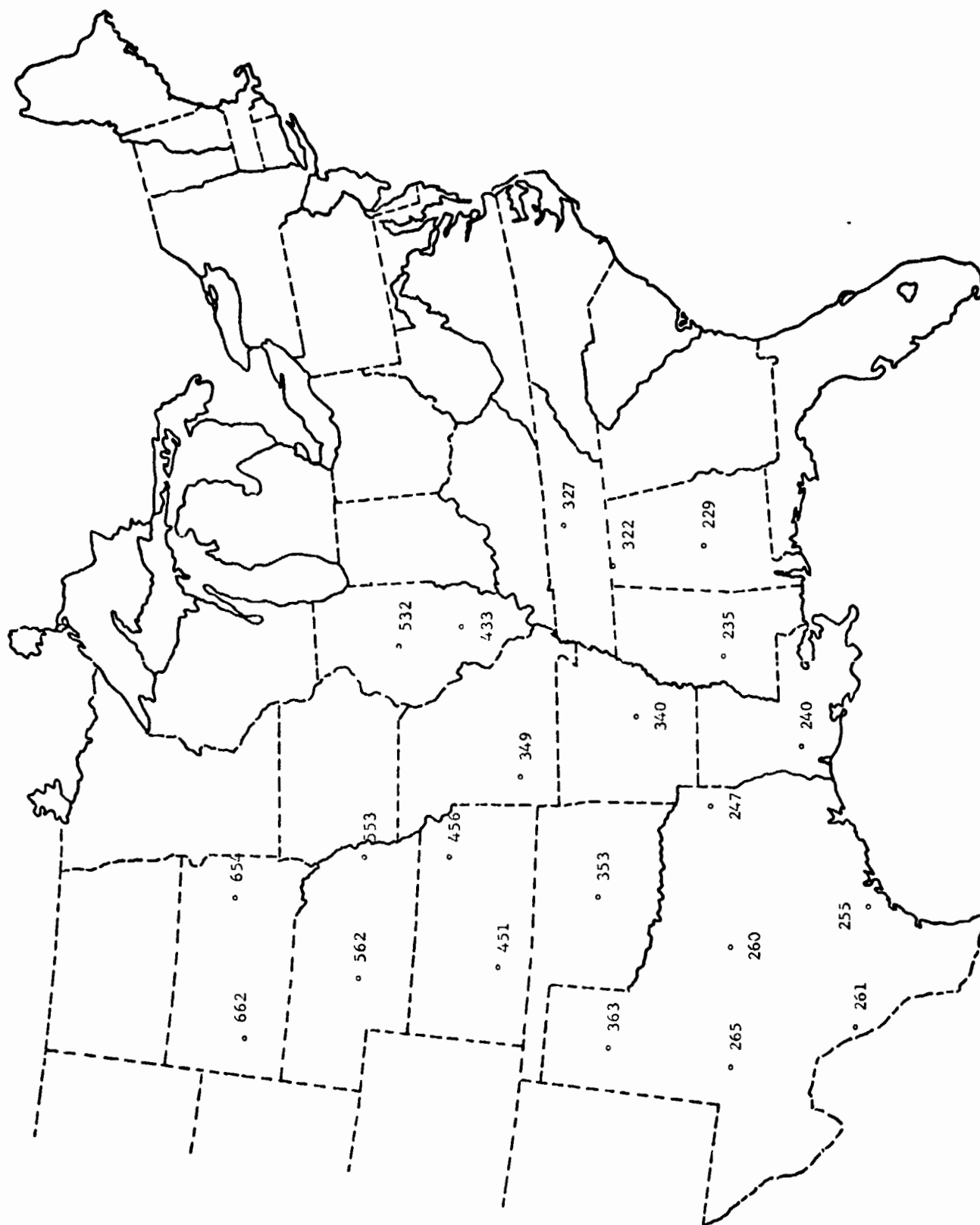


Fig. 1. Rawinsonde stations participating in the AVE VI experiment.

Table 2. Rawinsonde stations participating in AVE VI experiment.

Station Number	Location
229 (CKL)	Centerville, Alabama
235 (JAN)	Jackson, Mississippi
240 (LCH)	Lake Charles, Louisiana
247 (GGG)	Longview, Texas
255 (VCT)	Victoria, Texas
260 (SEP)	Stephenville, Texas
261 (DRT)	Del Rio, Texas
265 (MAF)	Midland, Texas
322 (MSL)	Marshall Space Flight Center, Alabama
327 (BNA)	Nashville, Tennessee
340 (LIT)	Little Rock, Arkansas
349 (UMN)	Monett, Missouri
353 (OKC)	Oklahoma City, Oklahoma
363 (AMA)	Amarillo, Texas
433 (SLO)	Salem, Illinois
451 (DDC)	Dodge City, Kansas
456 (TOP)	Topeka, Kansas
532 (PIA)	Peoria, Illinois
553 (OMA)	Omaha, Nebraska
562 (LBF)	North Platte, Nebraska
654 (HON)	Huron, South Dakota
662 (RAP)	Rapid City, South Dakota

once again focusing on temporal and spatial variability of atmospheric parameters). For these reasons, the AVE VI experiment was conducted during a period when much convective activity was present and rapid changes in the weather pattern were expected to occur.

III. Discussion of Basic Data

A. Collection of Data. Original information from which sounding data were computed was sent to the Atmospheric Sciences Division, NASA/ Marshall Space Flight Center (MSFC), Alabama. Texas A&M University personnel extracted data from all relevant charts, keypunched the data into cards, and computed the soundings using previously prepared computer programs.

B. Methods of Processing. The procedure used to compute soundings is similar to that used on the AVE III, IV, and V data and is described by Fuelberg (1974) and Fuelberg and Turner (1975). All keypunched data were checked for errors by calculating centered differences on the input

data. Additional checks included first differences of calculations temperatures and dew-point temperature as well as the plotting of constant pressure charts for 850, 700, 500, 300, and 200 mb for all release times and time cross sections for each station. Suspected erroneous data were thoroughly checked with the original "raw" data strip chart information and appropriate corrections made.

The final data set of the AVE VI experiment consists of data computed at each pressure contact and at 25-mb intervals. Thermodynamic quantities were computed at each pressure contact, while wind data were computed from 30- or 60-s interval angle data by means of a centered finite difference and interpolated for each contact or 25 mb level.

It is important to note three procedures employed in the processing of these data (these procedures were first used in the AVE III experiment). They are: 1) Humidity values, including dew-point temperatures, are computed at temperatures only above -40°C ; at temperatures below -40°C , humidity values are missing and indicated by a field of nines (i.e., 99.9). Moisture values are computed down to a relative humidity of 1%. If the value falls below 1%, it is set equal to 1% and used in the computation of other moisture variables. 2) Winds based on low elevations are denoted by asterisks (One asterisk denotes angles less than 10° but greater than 6° , while two asterisks denote angles less than 6°). Caution must be exercised in the use of data at low elevation angles since it is subject to rather large RMS errors. 3) Wind direction and speed are determined from interpolating the 25-mb value of the u- and v-wind components. These procedures appear in both the contact and 25 mb data.

IV. Discussion of Sounding Data

A. Accuracy Estimates. Estimates of the RMS errors in the thermodynamic quantities of the AVE VI data are the same as those for all AVE experiments and are those given by Fuelberg (1974). These estimates are presented in Table 3.

The RMS errors for wind speed and direction are difficult to describe since they are a function of tracking geometry and other factors. Maximum RMS errors for winds computed at 30-s intervals (based on the worst geometric tracking configuration) are: at 700 mb, 2.5 m s^{-1} for an elevation angle of 10° , and 0.5 m s^{-1} for an elevation angle of 40° ; at 500 mb,

Table 3. Estimates of the RMS errors in thermodynamic quantities of AVE VI data.

Parameter	Approximate RMS Error
Temperature	1°C
Pressure	1.3 mb from surface to 400 mb; 1.1 mb between 400 and 100 mb; 0.7 mb between 100 and 10 mb.
Humidity	10 percent
Pressure Altitude	10 gpm at 500 mb; 20 gpm at 300 mb; 50 gpm at 50 mb.

4.5 m s⁻¹ and 0.8 m s⁻¹ for the same elevation angles; and at 300 mb, 7.8 m s⁻¹ and 1.0 m s⁻¹, respectively. After assuming typical values of scalar wind speed at the various levels, maximum RMS errors in wind direction were determined. The maximum RMS errors at 700 mb range from 9.5° for an elevation angle of 10° to 1.3° for an elevation angle of 40°. At 500 mb the errors are 13.4° and 1.8° for the same elevation angles, while at 300 mb the maximum errors are 18.0° and 2.5°, respectively. The accuracy of the wind data at pressure contacts and at 25-mb intervals is greater than that stated for the 30-s winds because of the added smoothing and interpolation performed. In addition, errors cited for the 30-s winds were maxima for the stated conditions.

B. Tabulated Data. An example of AVE VI contact data is given in Table 4, with an explanation of the column headings given in Table 5. A listing of those soundings that were missing or terminated before completion is given in Table 6 along with the reason for early termination. In Table 4, the first line of data for the time of 0.0 minutes is surface data. A series of nines is used to indicate missing data. The three numbers in the upper right-hand corner are the number of pressures computed, the minimum pressure obtained (mb), and an angle identifier with the value 0 for 30-s angle input and 1 for 1-min angle input. The contact data are available in paper form or on magnetic tape from the Atmospheric Sciences Division, George C. Marshall Space Flight Center, Alabama 35812.

STATION NO. 229
CENTERVILLE, ALABAMA

26 MAY 1977
2300 GMT

157 13. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTC*	HEIGHT GM	PRES MR	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PJT T DG K	F POT T DG K	MX RTD GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.8	140.0	992.0	25.0	18.4	330.0	4.2	2.1	-3.6	298.8	334.8	13.6	67.0	0.0	0.
0.0	7.0	157.8	990.0	25.0	17.0	133.4	5.4	-3.9	3.7	299.0	322.0	12.5	61.3	0.5 154.	
0.1	8.0	255.0	979.0	24.7	17.3	133.4	5.4	-3.5	3.7	299.7	332.7	12.8	63.2	0.5 164.	
0.5	9.0	355.2	948.0	23.8	17.1	127.7	4.3	-3.4	2.6	299.7	333.7	12.8	66.1	0.4 166.	
0.9	10.0	455.4	957.0	23.8	17.2	71.8	1.9	-1.8	-0.4	300.7	335.6	12.1	66.9	0.4 175.	
1.3	11.0	555.0	944.0	22.4	16.2	354.1	4.3	0.4	-1.3	300.5	331.5	12.4	67.9	0.5 176.	
1.5	12.0	677.1	937.0	21.7	16.4	345.1	6.3	1.6	-5.1	300.9	334.8	12.7	72.0	0.6 175.	
1.9	13.0	775.6	923.0	20.4	16.1	341.2	6.0	1.9	-5.7	300.3	334.0	12.6	76.6	0.7 172.	
2.2	14.0	874.4	912.0	19.7	16.1	339.2	6.0	2.1	-5.6	300.7	334.8	12.6	79.8	0.8 170.	
2.5	15.0	965.5	902.0	18.5	15.9	337.9	6.0	2.3	-5.6	300.7	334.7	12.7	82.9	0.9 169.	
3.0	16.0	1041.1	893.0	18.0	15.8	339.6	3.7	1.4	-3.5	301.2	335.6	12.9	87.3	1.1 167.	
3.3	17.0	1201.3	878.0	16.0	15.5	343.7	2.4	0.7	-2.3	301.1	335.3	12.8	91.6	1.1 167.	
3.6	18.0	1299.1	863.0	15.9	14.3	355.9	1.4	0.1	-1.4	301.0	332.5	11.9	96.2	1.1 167.	
3.9	19.0	1397.8	853.0	15.3	14.0	13.6	1.0	-0.2	-1.0	301.3	333.2	11.8	92.2	1.2 167.	
4.2	20.0	1497.5	848.0	14.7	13.6	39.5	0.9	-0.5	-0.7	301.7	333.1	11.6	93.3	1.2 168.	
4.7	21.0	1594.2	836.0	13.5	12.6	67.1	1.1	-1.0	-0.4	301.7	331.6	11.1	94.7	1.2 159.	
5.0	22.0	1719.7	826.0	12.7	11.8	69.4	1.3	-1.2	-0.4	301.9	330.7	10.6	94.6	1.2 170.	
5.3	23.0	1832.5	815.0	11.7	10.9	75.4	1.5	-1.4	-0.4	302.0	329.6	10.2	94.9	1.2 171.	
5.7	24.0	1925.7	806.0	11.5	10.7	80.2	1.7	-1.7	-0.3	302.8	330.3	10.1	94.5	1.2 173.	
6.0	25.0	2040.6	795.0	10.2	7.9	82.3	1.9	-1.9	-0.3	302.6	325.9	8.5	85.8	1.2 175.	
6.4	26.0	2157.4	783.0	10.0	6.5	74.1	2.2	-2.1	-0.6	303.7	325.3	7.5	78.7	1.2 177.	
6.8	27.0	2267.7	774.0	9.3	6.4	74.2	2.3	-2.2	-0.6	303.9	325.6	7.9	72.2	1.2 180.	
7.0	28.0	2371.5	764.0	8.3	5.1	75.4	2.3	-2.2	-0.6	304.0	324.2	7.2	75.9	1.2 181.	
7.4	29.0	2480.5	754.0	8.0	4.5	70.7	2.4	-2.3	-0.8	304.8	324.5	7.0	78.6	1.2 183.	
7.9	30.0	2579.7	745.0	7.1	2.9	69.1	2.6	-2.4	-1.0	304.9	322.7	6.3	74.4	1.3 186.	
8.0	31.0	2691.0	735.0	6.9	2.0	67.2	2.6	-2.4	-1.0	305.8	323.0	6.1	71.1	1.3 187.	
8.4	32.0	2792.3	725.0	6.4	1.1	69.0	2.5	-2.4	-0.9	306.3	322.7	5.7	69.1	1.3 190.	
8.9	33.0	2905.1	715.0	5.7	-1.1	63.3	2.6	-2.3	-1.2	306.9	321.1	5.0	61.8	1.3 192.	
9.2	34.0	3002.6	707.0	5.1	-1.7	55.7	2.7	-2.2	-1.5	307.3	321.2	4.8	61.3	1.4 194.	
9.5	35.0	3114.3	698.0	4.6	-3.0	49.7	2.6	-2.1	-1.8	307.9	320.7	4.4	57.5	1.4 195.	
10.0	36.0	3243.7	687.0	4.3	-5.8	46.6	2.8	-2.0	-1.9	309.9	319.6	3.6	47.6	1.5 197.	
10.5	37.0	3363.0	677.0	3.6	-7.8	41.2	3.2	-2.1	-2.4	309.4	319.9	3.2	43.1	1.6 198.	
10.9	38.0	3471.6	668.0	3.3	-8.7	37.2	1.5	-2.1	-2.8	310.2	319.2	3.0	41.0	1.6 196.	
11.2	39.0	3569.1	660.0	2.1	-7.1	33.9	1.7	-2.0	-3.0	310.8	320.1	3.4	50.4	1.7 200.	
11.5	40.0	3680.0	651.0	1.3	-4.9	32.3	3.6	-1.9	-3.1	311.0	320.0	4.1	61.3	1.8 200.	
12.0	41.0	3817.3	640.0	0.6	-4.2	31.3	4.1	-2.1	-3.5	311.2	321.2	4.4	70.2	1.9 201.	
12.3	42.0	3930.9	631.0	-0.4	-9.0	30.8	4.2	-2.2	-3.6	311.2	321.2	3.3	56.4	2.0 201.	
12.5	43.0	4045.9	622.0	-0.7	-10.1	29.8	4.2	-2.1	-3.7	312.1	320.8	2.8	48.7	2.0 202.	
13.0	44.0	4149.3	613.0	-0.7	-10.2	26.4	4.0	-1.8	-3.5	313.3	322.0	2.9	48.5	2.1 202.	
13.4	45.0	4267.2	605.0	-1.5	-13.4	21.4	4.3	-1.6	-4.0	313.7	320.4	2.2	46.5	2.2 202.	
13.7	46.0	4373.1	597.0	-2.1	-12.7	19.4	4.2	-1.4	-3.9	314.1	315.5	0.4	7.4	2.3 202.	
14.0	47.0	4493.5	583.0	-3.1	-11.9	18.3	4.0	-1.2	-3.8	314.4	315.9	0.4	10.6	2.4 202.	
14.4	48.0	4631.8	570.0	-3.7	-29.9	14.6	3.6	-0.9	-3.5	314.9	316.7	0.5	10.9	2.5 202.	
14.8	49.0	4711.4	572.0	-4.5	-7.9	5.8	3.4	-0.3	-3.4	315.3	326.4	3.7	78.6	2.6 201.	
15.1	50.0	4836.3	563.0	-5.2	-10.2	356.8	3.2	0.2	-3.2	315.8	325.4	3.1	68.0	2.6 201.	

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

** BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

*** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Table 4. Example of contact data from the AVE VI experiment.

STATION NO. 229
CENBERVILLE, ALABAMA

26 MAY 1977
2300 GUT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

157 13. 1

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
15.6	51.0	4975.0	553.0	-6.1	-11.8	377.0	2.9	1.1	-2.6	316.3	325.0	2.8	64.1	2.7 200.	
15.0	52.0	5000.0	545.0	-6.6	-20.5	325.9	2.7	1.5	-2.2	317.1	321.5	1.4	31.8	2.7 159.	
15.5	53.0	5205.3	537.0	-7.6	-15.9	320.5	2.2	1.4	-1.7	317.2	323.7	2.1	51.2	2.8 152.	
17.1	54.0	5377.0	529.0	-8.4	-20.9	316.0	1.4	1.0	-1.0	317.7	322.1	1.4	35.5	2.8 196.	
17.9	55.0	5441.1	521.0	-9.1	-23.8	28.8	0.9	-0.1	-0.8	319.2	321.7	1.1	25.1	2.8 196.	
19.7	55.0	5575.8	512.0	-9.7	-31.7	55.1	1.7	-1.4	-1.0	319.1	320.9	0.5	14.6	2.9 196.	
19.3	57.0	5712.5	503.0	-10.5	-37.4	62.3	2.6	-2.7	-1.2	319.6	320.7	0.3	8.8	2.9 197.	
19.8	58.0	5820.2	495.0	-11.1	-36.6	50.2	3.4	-2.9	-1.7	320.2	321.4	0.3	10.0	3.0 198.	
20.2	59.0	5944.7	488.0	-12.1	-34.2	55.1	4.0	-3.3	-2.3	320.5	322.0	0.4	13.8	3.1 199.	
22.7	59.0	6071.0	480.0	-12.7	-33.5	50.6	4.6	-3.5	-2.9	321.3	322.9	0.5	15.3	3.2 201.	
21.2	61.0	6193.0	473.0	-13.5	-33.6	46.4	5.0	-3.6	-3.5	321.6	323.3	0.5	16.4	3.3 202.	
21.7	62.0	6312.5	465.0	-14.5	-28.5	44.0	5.7	-4.0	-4.1	322.0	324.6	0.6	25.3	3.5 203.	
22.0	63.0	6427.3	459.0	-15.1	-30.3	44.0	6.0	-4.2	-4.2	322.7	325.0	0.7	25.6	3.5 204.	
22.5	64.0	6547.7	451.0	-15.6	-30.2	43.6	7.4	-5.1	-5.4	323.4	325.8	0.7	27.2	3.7 205.	
22.9	65.0	6661.6	444.0	-16.3	-32.2	43.6	8.1	-5.6	-5.8	324.0	326.3	0.6	23.7	3.9 205.	
23.1	65.0	6815.3	435.0	-17.5	-32.4	47.9	8.4	-5.9	-6.1	324.3	326.3	0.6	25.7	4.0 206.	
23.5	65.0	6958.0	427.0	-18.6	-37.6	45.5	9.1	-5.3	-5.7	324.7	325.9	0.3	16.8	4.2 207.	
23.9	68.0	7077.2	420.0	-19.2	-37.8	45.0	9.0	-5.7	-5.6	325.5	326.8	0.3	17.4	4.4 208.	
24.2	69.0	7201.9	413.0	-20.4	-40.1	45.0	9.0	-5.7	-5.7	325.5	326.5	0.3	15.0	4.5 209.	
24.6	70.0	7310.0	407.0	-21.6	-44.9	44.5	8.1	-5.7	-5.8	325.3	326.0	0.2	10.0	4.7 209.	
25.0	71.0	7425.0	399.0	-22.8	-53.1	4.2	8.3	-5.9	-5.5	325.6	325.9	0.1	4.3	4.9 209.	
25.4	72.0	7545.6	392.0	-23.3	-55.8	46.8	9.2	-6.0	-5.5	326.5	326.7	0.0	1.0	5.1 210.	
25.9	73.0	7677.4	385.0	-23.8	-63.1	48.4	8.0	-6.0	-5.3	327.6	327.6	0.0	1.0	5.3 211.	
26.4	74.0	7811.1	378.0	-24.9	-65.8	49.7	8.0	-6.0	-5.2	327.9	328.0	0.0	1.0	5.6 212.	
26.9	75.0	7927.2	372.0	-25.9	-63.3	46.1	8.6	-6.4	-5.6	328.0	328.1	0.0	1.6	5.8 212.	
27.2	76.0	8104.4	365.0	-27.3	-63.7	48.2	8.9	-6.7	-6.0	328.1	328.3	0.1	6.0	6.0 213.	
27.8	77.0	8227.5	359.0	-28.4	-61.3	49.5	9.3	-7.1	-6.0	328.3	328.4	0.1	5.0	6.3 214.	
28.2	78.0	8344.3	352.0	-29.6	-52.1	51.0	9.4	-7.3	-5.0	328.3	328.6	0.1	9.1	6.5 214.	
28.9	79.0	8435.7	345.0	-30.7	-55.9	51.4	9.5	-7.5	-4.0	328.5	328.8	0.1	8.1	6.9 215.	
29.3	80.0	8517.7	339.0	-31.4	-59.0	51.2	9.8	-7.6	-3.1	329.1	329.2	0.0	5.3	7.1 216.	
30.0	81.0	8774.9	332.0	-32.6	-60.6	54.3	9.6	-7.8	-5.2	329.7	329.8	0.0	4.2	7.5 217.	
30.5	82.0	8907.1	326.0	-33.8	-61.3	57.1	9.6	-8.0	-5.2	329.8	329.9	0.0	4.3	7.9 217.	
31.0	83.0	9077.0	320.0	-34.7	-60.0	58.1	9.9	-7.8	-4.7	330.3	330.4	0.0	5.6	8.0 218.	
31.5	84.0	9159.9	314.0	-35.9	-59.2	56.0	9.8	-7.3	-4.0	330.4	330.6	0.0	7.0	8.3 219.	
31.9	85.0	9203.8	308.0	-36.6	-61.1	54.4	9.7	-7.1	-5.1	331.3	331.5	0.0	5.2	8.5 219.	
32.5	86.0	9411.7	301.0	-37.9	-64.6	52.0	8.8	-6.9	-5.4	331.8	331.9	0.0	4.1	8.8 219.	
32.9	87.0	9500.1	295.0	-39.1	-62.7	49.9	8.5	-6.7	-5.7	331.8	332.0	0.0	6.1	9.0 220.	
33.4	88.0	9740.5	289.0	-40.5	-99.9	47.4	8.5	-6.2	-5.7	331.9	332.0	95.9	95.9	9.2 220.	
33.8	89.0	9859.2	284.0	-41.8	-99.9	46.0	9.3	-6.0	-5.2	331.5	331.5	95.9	95.9	9.4 220.	
34.3	90.0	10037.5	278.0	-43.0	-99.9	45.3	8.3	-5.9	-5.4	331.5	331.5	95.9	95.9	9.7 220.	
34.7	91.0	10125.5	273.0	-44.3	-99.9	45.7	9.4	-6.0	-5.9	331.8	331.8	95.9	95.9	9.9 220.	
35.1	92.0	10274.1	267.0	-45.4	-99.9	46.5	9.5	-6.2	-6.9	332.3	332.3	95.9	95.9	10.1 220.	
35.6	93.0	10399.8	262.0	-46.7	-99.9	46.5	9.0	-6.5	-6.1	332.2	332.2	95.9	95.9	10.3 221.	
36.0	94.0	10527.3	257.0	-47.8	-99.9	46.1	9.9	-6.7	-6.8	332.3	332.3	95.9	95.9	10.6 221.	
36.5	95.0	10682.8	251.0	-49.3	-99.9	45.6	10.7	-7.6	-7.5	332.4	332.4	95.9	95.9	10.9 221.	

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Table 4. (Continued)

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STATION NO. 229
CENTERVILLE, ALABAMA

26 MAY 1977
2300 GMT

157 13. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	J COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	WX RTO GM/KG	RH PCT	RANGE KM	AZ DG
37.0	95.0	10931.0	245.0	-50.3	99.9	45.5	10.5	-7.7	-7.3	333.2	999.9	99.9	955.9	11.2	221.
37.5	97.0	10975.2	240.0	-51.8	99.9	48.9	10.5	-7.9	-4.9	332.9	999.9	99.9	999.9	11.5	221.
38.0	98.0	11111.3	235.0	-53.0	99.9	51.1	11.2	-8.7	-7.1	333.1	999.9	99.9	999.9	11.9	221.
38.5	99.0	11249.6	230.0	-54.1	99.9	53.0	11.9	-9.4	-7.1	333.5	999.9	99.9	955.9	12.2	222.
39.0	100.0	11390.4	225.0	-55.0	99.9	55.2	11.2	-9.2	-6.4	334.2	999.9	99.9	955.9	12.5	222.
39.5	101.0	11532.5	219.0	-56.5	99.9	58.3	10.4	-8.7	-5.4	334.5	999.9	99.9	955.9	13.0	223.
40.0	102.0	11679.2	215.0	-57.5	99.9	62.0	9.8	-8.7	-4.4	334.8	999.9	99.9	955.9	13.2	223.
40.5	103.0	11827.5	210.0	-58.1	99.9	66.5	9.2	-8.6	-3.2	335.0	999.9	99.9	999.9	13.5	224.
41.0	104.0	11979.0	205.0	-59.1	99.9	74.5	8.6	-8.3	-2.3	335.7	999.9	99.9	955.9	13.8	224.
41.5	105.0	12102.4	201.0	-59.5	99.9	75.6	7.5	-7.3	-1.9	336.1	999.9	99.9	955.9	14.0	225.
42.0	106.0	12250.0	196.0	-59.8	99.9	69.2	6.5	-6.7	-2.3	336.0	999.9	99.9	955.9	14.2	225.
42.5	107.0	12398.4	192.0	-61.2	99.9	57.6	5.2	-4.4	-2.8	335.9	999.9	99.9	955.9	14.4	225.
43.0	108.0	12549.9	189.0	-61.8	99.9	76.6	5.1	-3.1	-4.1	330.9	999.9	99.9	955.9	14.5	225.
43.5	109.0	12695.5	183.0	-62.5	99.9	15.4	5.7	-1.5	-5.5	332.4	999.9	99.9	955.9	14.7	225.
44.0	110.0	12831.6	179.0	-63.2	99.9	0.7	6.4	-0.1	-6.4	333.4	999.9	99.9	955.9	14.8	225.
44.5	111.0	12955.9	174.0	-63.0	99.9	38.0	7.0	0.2	-7.0	335.5	999.9	99.9	955.9	15.0	224.
45.0	112.0	13175.2	169.0	-63.4	99.9	2.5	7.2	-0.3	-7.2	333.8	999.9	99.9	955.9	15.2	223.
45.5	113.0	13323.0	165.0	-61.8	99.9	2.5	7.1	-0.3	-7.1	333.9	999.9	99.9	955.9	15.3	223.
46.0	114.0	13475.0	161.0	-61.6	99.9	35.3	5.6	0.9	-5.6	335.7	999.9	99.9	955.9	15.5	222.
46.5	115.0	13581.3	158.0	-62.3	99.9	21.8	7.1	2.2	-6.7	337.4	999.9	99.9	955.9	15.6	222.
47.0	116.0	13700.3	153.0	-61.6	99.9	35.7	8.9	3.6	-9.1	331.9	999.9	99.9	955.9	15.8	220.
47.5	117.0	13844.6	149.0	-61.2	99.9	33.7	10.0	3.9	-9.2	333.3	999.9	99.9	955.9	15.9	219.
48.0	118.0	14127.5	145.0	-61.2	99.9	32.7	10.3	4.7	-9.1	333.2	999.9	99.9	955.9	16.1	218.
48.5	119.0	14237.4	142.0	-60.7	99.9	32.4	10.9	5.2	-9.2	331.3	999.9	99.9	955.9	16.3	217.
49.0	120.0	14431.5	135.0	-60.0	99.9	32.4	10.8	6.6	-9.5	335.6	999.9	99.9	955.9	16.4	215.
49.5	121.0	14559.8	135.0	-59.8	99.9	32.3	8.9	5.7	-5.8	338.2	999.9	99.9	955.9	16.5	214.
50.0	122.0	14755.8	131.0	-59.7	99.9	33.8	7.0	3.5	-5.1	331.9	999.9	99.9	955.9	16.6	213.
50.5	123.0	14901.9	129.0	-59.0	99.9	33.8	5.9	2.5	-5.3	335.6	999.9	99.9	955.9	16.8	212.
51.0	124.0	15050.6	125.0	-59.3	99.9	33.0	5.2	2.6	-4.5	337.6	999.9	99.9	955.9	16.9	212.
51.5	125.0	15254.0	121.0	-60.0	99.9	31.6	4.9	3.7	-7.2	330.0	999.9	99.9	955.9	16.9	211.
52.0	126.0	15463.3	117.0	-61.1	99.9	30.7	5.7	4.5	-2.8	331.8	999.9	99.9	955.9	16.9	210.
52.5	127.0	15524.5	114.0	-61.6	99.9	30.4	5.1	4.2	-2.8	333.7	999.9	99.9	955.9	16.9	210.
53.0	128.0	15789.5	111.0	-62.1	99.9	32.0	4.2	2.3	-1.5	335.7	999.9	99.9	955.9	17.0	209.
53.5	129.0	15852.4	108.0	-63.4	99.9	33.4	3.3	1.3	-3.1	336.4	999.9	99.9	955.9	17.1	209.
54.0	130.0	16171.5	105.0	-62.4	99.9	28.2	2.3	2.2	-0.3	339.6	999.9	99.9	955.9	17.1	209.
54.5	131.0	16309.5	102.0	-63.6	99.9	25.6	3.8	3.4	0.2	402.6	999.9	99.9	955.9	16.9	208.
55.0	132.0	16492.7	99.0	-63.6	99.9	20.5	4.3	4.0	-1.5	406.0	999.9	99.9	955.9	16.9	207.
55.5	133.0	16581.6	96.0	-63.6	99.9	10.0	4.6	3.5	-3.0	409.0	999.9	99.9	955.9	16.9	206.
56.0	134.0	16876.1	93.0	-64.5	99.9	39.0	3.7	2.0	-3.2	411.5	999.9	99.9	955.9	17.0	206.
56.5	135.0	17076.4	90.0	-64.7	99.9	32.0	1.4	0.9	-1.0	415.0	999.9	99.9	955.9	17.1	206.
57.0	136.0	17203.0	87.0	-65.3	99.9	23.2	1.2	1.0	0.7	417.9	999.9	99.9	955.9	17.0	205.
57.5	137.0	17307.0	84.0	-64.7	99.9	6.0	1.3	-0.1	-1.3	423.3	999.9	99.9	955.9	17.0	205.
58.0	138.0	17415.7	81.0	-65.3	99.9	13.4	2.6	-0.6	-2.5	426.5	999.9	99.9	955.9	17.1	205.
58.5	139.0	17497.9	78.0	-66.5	99.9	30.0	1.6	-0.8	-1.4	434.7	999.9	99.9	955.9	17.2	205.
59.0	140.0	17595.4	75.0	-66.3	99.9	49.8	1.2	-0.9	-0.9	434.0	999.9	99.9	955.9	17.3	205.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Table 4. (Continued)

STATION NO. 229
CENTERVILLE, ALABAMA26 MAY 1977
2300 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

157 13. 1

TIME MIN	CNTCT	HEIGHT GDM	PRES MS	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PJT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
65.2	131.0	18433.4	72.0	-65.3	99.9	91.5	0.9	-0.9	0.0	441.1	999.9	99.9	999.9	17.3 205.	
67.4	142.0	18594.1	69.0	-62.7	99.9	125.0	1.0	-0.8	0.5	452.2	999.9	99.9	999.9	17.3 206.	
69.5	153.0	18759.9	66.0	-61.6	99.9	103.5	0.3	-0.3	0.1	460.3	999.9	99.9	999.9	17.3 206.	
69.5	154.0	19257.9	63.0	-60.5	99.9	323.2	2.6	1.5	-2.1	458.8	999.9	99.9	999.9	17.3 206.	
70.5	155.0	19461.4	60.0	-61.1	99.9	350.8	4.2	0.7	-4.2	474.2	999.9	99.9	999.9	17.3 205.	
71.6	156.0	19479.9	57.0	-61.2	99.9	15.5	2.6	-0.7	-2.5	490.5	999.9	99.9	999.9	17.7 205.	
72.9	157.0	20101.6	55.0	-61.4	99.9	354.8	1.9	0.2	-1.9	485.4	999.9	99.9	999.9	17.6 205.	
74.0	158.0	20449.6	52.0	-61.6	99.9	1.2	3.2	-0.1	-3.2	493.6	999.9	99.9	999.9	18.0 204.	
75.0	159.0	20819.1	49.0	-60.5	99.9	9.3	3.8	-0.6	-3.7	503.8	999.9	99.9	999.9	18.2 204.	
75.4	150.0	21213.7	45.0	-59.3	99.9	58.2	2.5	-2.1	-1.3	515.9	999.9	99.9	999.9	18.5 204.	
78.0	151.0	21453.0	44.0	-58.0	99.9	64.2	5.1	-4.6	-2.2	525.8	999.9	99.9	999.9	18.6 205.	
79.5	152.0	21941.4	41.0	-54.7	99.9	56.6	6.6	-5.5	-3.6	544.6	999.9	99.9	999.9	19.2 206.	
81.0	153.0	22429.0	38.0	-53.5	99.9	74.1	4.7	-4.6	-1.3	559.7	999.9	99.9	999.9	19.5 207.	
82.4	154.0	22657.9	35.0	-53.6	99.9	73.3	6.9	-6.5	-2.0	572.6	999.9	99.9	999.9	19.9 208.	
84.1	155.0	22735.6	33.0	-54.4	99.9	53.6	5.5	-5.2	-3.9	580.3	999.9	99.9	999.9	20.4 205.	
85.9	156.0	22944.7	30.0	-55.5	99.9	72.1	5.3	-5.0	-1.6	593.3	999.9	99.9	999.9	21.0 210.	
87.9	157.0	24119.3	27.0	-54.3	99.9	100.5	4.0	-3.9	0.7	615.0	999.9	99.9	999.9	21.3 211.	
89.8	158.0	25111.6	25.0	-54.4	99.9	105.5	5.6	-5.4	1.5	628.2	999.9	99.9	999.9	21.4 212.	
92.2	159.0	25943.2	22.0	-47.7	99.9	233.1	0.7	0.6	0.4	671.7	999.9	99.9	999.9	21.5 214.	
95.0	159.0	25915.4	19.0	-45.8	99.9	31.0	1.5	-0.8	-1.3	706.2	999.9	99.9	999.9	21.4 213.	
99.2	161.0	28050.4	15.0	-45.5	99.9	63.9	4.2	-3.7	-1.8	742.7	999.9	99.9	999.9	22.1 214.	
101.6	162.0	29449.0	13.0	-44.1	99.9	99.9	99.9	99.9	99.9	793.0	999.9	99.9	999.9	999.9 999.	

SOUNDING # 1 WAS COMPUTED

Table 4. (Concluded)

Table 5. Explanation of column headings of tabulated sounding data for the AVE VI experiment.

TIME (MIN)	Time after Balloon release.
CNTCT	Contact number.
HEIGHT (GPM)	Height of corresponding pressure surface in geopotential meters.
PRES (MB)	Pressure in millibars.
TEMP (DG C)	Ambient temperature in degrees Celsius. NOTE: An asterisk indicates that time from release and/or temperature were linearly interpolated.
DEW PT (DG C)	Dew point temperature in degrees Celsius.
DIR (DG)	Wind direction measured clockwise from true north and is the direction from which the wind is blowing.
SPEED (M/SEC)	Scalar wind speed in meters per second. NOTE: An asterisk indicates that wind quantities are based on an elevation angle that is between 10° and 6°. A double asterisk indicates that the elevation angle is less than 6°.
U COMP (M/SEC)	The E-W wind component, positive toward the east and negative toward the west.
V COMP (M/SEC)	The N-S wind component, positive toward the north and negative toward the south.
POT T (DG K)	Potential temperature in degrees Kelvin.
E POT T (DG K)	Equivalent potential temperature in degrees Kelvin.
MX RTO (GM/KG)	Mixing ratio in grams per kilogram.
RH (PCT)	Relative humidity in percent.
RANGE (KM)	Distance balloon is from release point along a radius vector.
AZ (DG)	Direction toward balloon measured clockwise from true north.

Table 6. Soundings missing or terminated before completion.

Station	Date/GMT	Reason
Midland, Texas	5/27 : 00Z	Rawinsonde failure; abrupt signal failure, atmospheric interference. Flight terminated after 92 min.
Topeka, Kansas	5/27 : 00Z	Rawinsonde failure; Signal fading. Flight terminated after 62 min.
Marshall SFC, Alabama	5/27 : 00Z	Complete sounding missing
Topeka, Kansas	5/27 : 12Z	Ground equipment failure. Flight terminated after 62 min.
Marshall SFC, Alabama	5/27 : 15Z	Rawinsonde failure. Flight terminated after 55 min.
Midland, Texas	5/27 : 15Z	Rawinsonde signal failure. Flight terminated after 92 min.
Topeka, Kansas	5/27 : 15Z	Ground receiver adjusted during flight, @ 26 min.
Peoria, Illinois	5/27 : 18Z	Rawinsonde switching failure. Flight terminated after 68 min.
Marshall SFC, Alabama	5/28 : 03Z	Ground equipment failure. Flight terminated after 61 min.
Topeka, Kansas	5/28 : 12Z	Rawinsonde failure. Flight terminated after 76 min.

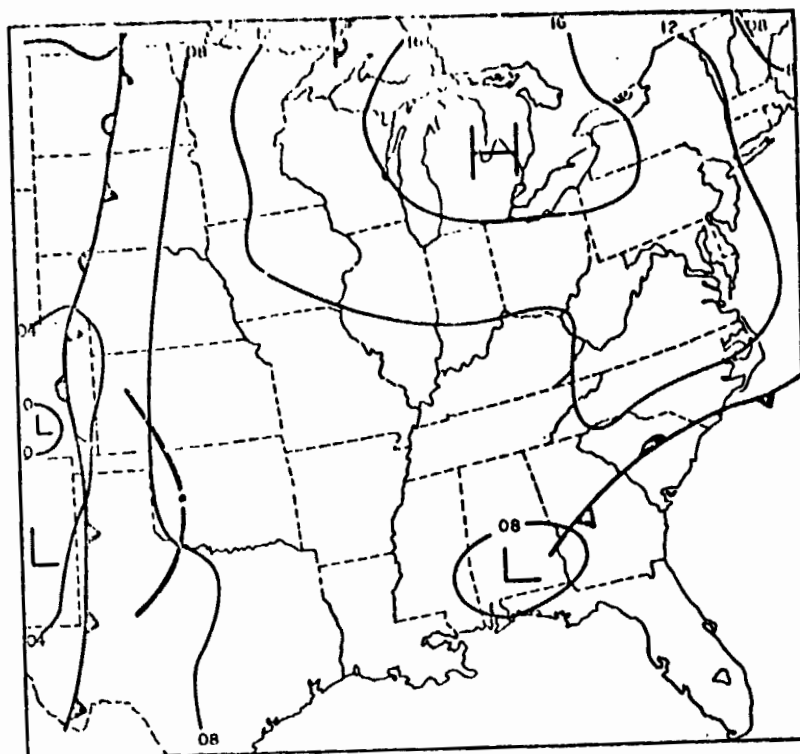
The contact data interpolated for 25-mb intervals are presented following Section V. The column headings are identical to those used for the contact data and are described in Table 5. The soundings are arranged by time and appear in ascending order by station number for each time. The first line of data indicates the surface report which is followed by data from 1000 to 25 mb. In cases where the surface pressure is less than the given 25-mb pressure value, missing data (nines) are indicated for each quantity. This is also done when the sounding terminates before the 25-mb level is reached.

4. Synoptic Charts

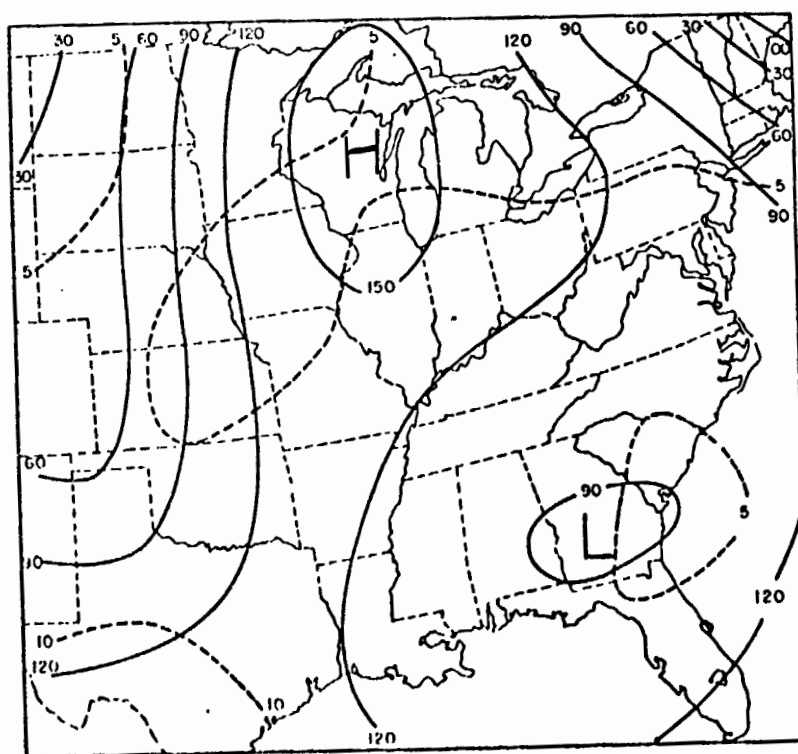
Surface and 700 mb synoptic charts for the beginning and ending of the observational period, May 27 at 0000 GMT and May 28 at 1200 GMT, are presented in Figs. 2 and 3. The maps are simplified and depict only the overall synoptic situation existing at these times.

ACKNOWLEDGMENTS

The tasks of processing the AVE VI data and preparing this report required the efforts of approximately 20 people, who worked diligently behind the scenes to accomplish this important task. The authors are most grateful to all who contributed to its successful completion.



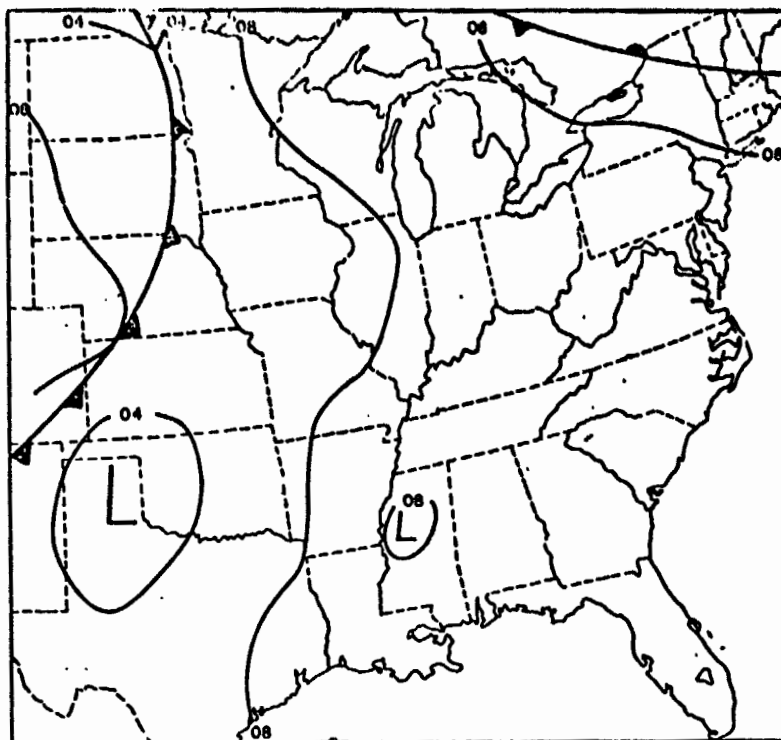
Surface



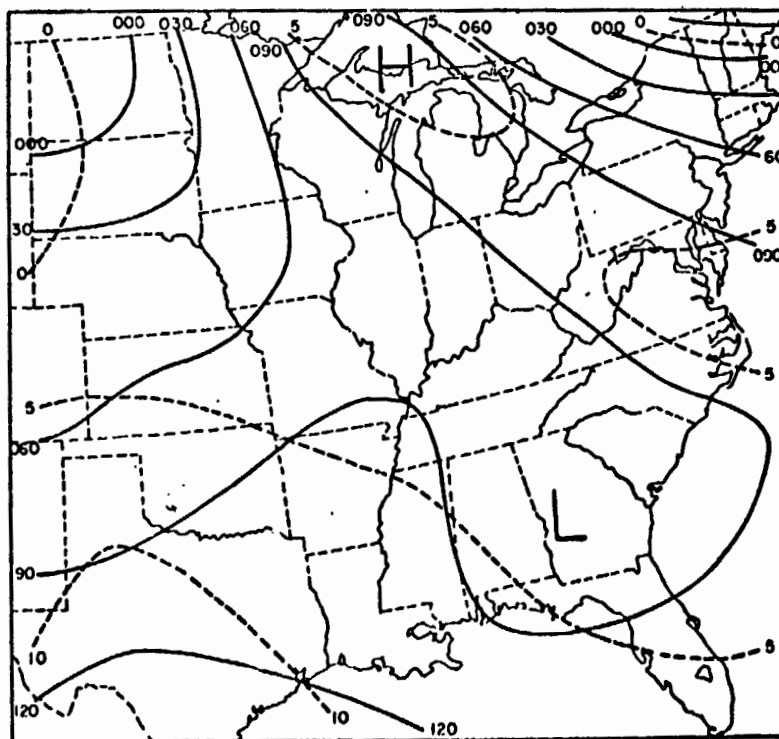
700-mb

Fig. 2. Synoptic charts for 0000 GMT, 27 May 1977.

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OF POOR QUALITY



Surface



700-mb

Fig. 3. Synoptic charts for 1200 GMT, 28 May 1977.

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OF POOR QUALITY

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Sounding Data

26 May 1977

2300 GMT

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OF POOR QUALITY

STATION NO. 229
 CENTERVILLE, ALABAMA

 26 MAY 1977
 2300 GMT

187 13. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNCTY	WFCAT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MI RTO GPM/KG	SN PCY	RANGE KM	AZ DEG
0.0	6.4	140.0	992.0	25.0	18.4	330.0	4.2	2.1	-3.6	298.8	334.8	13.6	67.8	0.0	0.
00.9	97.4	99.9	1000.0	29.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.9	9.0	202.1	975.0	24.4	17.2	125.7	4.7	-3.8	2.7	299.7	333.7	12.8	60.3	0.5	165.
1.1	18.3	519.6	950.0	23.0	15.7	323.3	3.6	2.2	-2.9	300.6	334.5	12.7	67.4	0.4	175.
1.4	12.4	741.9	925.0	20.6	16.2	342.9	6.0	1.7	-5.7	300.4	334.1	12.6	71.7	0.7	172.
5.6	15.1	992.4	900.0	18.7	15.9	338.5	5.2	1.9	-4.9	300.8	334.8	12.7	82.5	0.9	165.
3.4	17.4	1230.4	875.0	16.5	15.2	349.6	2.2	0.4	-2.2	301.0	334.6	12.5	81.2	1.1	167.
4.1	19.8	1477.6	850.0	14.8	13.7	34.1	1.0	-0.6	-0.8	301.6	333.1	11.7	92.1	1.2	168.
5.0	22.1	1770.0	825.0	12.6	11.8	70.6	1.3	-1.2	-0.4	301.9	330.6	10.6	94.6	1.2	170.
5.9	24.5	1994.4	802.0	10.8	9.2	79.5	1.8	-1.8	-0.3	302.7	327.9	9.2	85.9	1.2	174.
6.9	25.9	2257.0	775.0	9.3	6.4	75.0	2.2	-2.2	-0.6	303.9	325.6	7.8	81.9	1.2	179.
7.6	28.4	2524.6	750.0	7.6	3.8	70.2	2.5	-2.3	-0.8	304.8	323.7	6.7	76.7	1.2	184.
9.4	32.1	2803.7	725.0	6.3	0.9	65.9	2.6	-2.4	-1.1	306.4	322.5	5.7	68.3	1.3	150.
9.5	34.4	3001.0	700.0	4.7	-2.7	52.3	2.7	-2.2	-1.7	307.7	320.8	4.5	58.3	1.4	195.
10.5	37.2	3197.1	675.0	2.8	-8.0	40.6	3.2	-2.1	-2.4	309.6	318.9	3.1	42.6	1.4	199.
11.5	40.1	3422.5	650.0	1.6	-4.8	32.0	3.8	-2.0	-3.2	310.8	323.1	4.1	42.2	1.6	200.
12.5	42.7	4007.5	625.0	-0.6	-9.4	29.3	4.1	-2.0	-3.6	311.8	320.9	3.0	31.2	2.0	202.
13.4	45.8	4333.4	600.0	-1.9	-25.6	21.1	4.1	-1.5	-3.8	313.9	317.4	1.1	15.8	2.3	222.
14.6	44.6	4670.3	575.0	-4.2	-16.2	8.3	3.8	-0.5	-3.5	315.1	322.8	2.5	81.9	2.5	202.
17.7	51.4	5019.7	550.0	-6.3	-19.1	335.4	2.8	1.2	-2.5	316.6	323.7	2.3	52.0	2.7	206.
17.5	54.5	5182.0	525.0	-8.7	-22.3	353.8	1.5	0.2	-1.5	317.9	321.9	1.2	32.3	3.0	194.
19.5	57.4	4754.6	500.0	-10.8	-37.1	57.8	2.9	-2.4	-1.5	319.9	321.0	0.3	9.3	3.0	196.
21.1	60.7	6151.0	475.0	-13.3	-33.6	48.5	4.9	-3.7	-3.3	321.5	323.2	0.5	16.1	3.3	252.
22.5	64.1	6540.5	450.0	-15.7	-30.5	43.8	7.2	-5.0	-5.2	323.5	325.8	0.7	26.7	3.8	205.
23.4	67.3	6840.2	425.0	-18.5	-37.7	44.9	8.1	-5.7	-5.8	324.9	324.2	0.3	17.6	4.3	207.
24.9	70.9	7417.7	400.0	-22.4	-52.1	45.9	8.1	-5.8	-5.7	325.8	325.9	0.1	5.0	4.9	209.
26.6	74.5	7802.1	375.0	-25.4	-64.6	48.3	8.4	-6.3	-5.6	328.0	328.7	0.0	1.3	5.7	212.
29.4	79.3	8405.1	350.0	-30.0	-52.7	50.7	9.4	-7.3	-6.0	328.4	328.7	0.1	8.6	6.6	214.
29.6	82.2	8824.7	325.0	-34.0	-61.1	55.6	9.3	-7.7	-5.3	329.9	330.0	0.0	4.5	7.8	217.
32.6	86.2	9494.8	300.0	-38.0	-64.3	51.4	8.7	-6.8	-5.4	331.8	331.9	0.0	4.8	8.8	220.
34.5	90.4	10079.7	275.0	-43.8	-69.9	46.2	8.5	-6.1	-5.9	331.9	331.9	0.0	999.9	9.8	220.
35.6	95.2	10789.1	250.0	-49.4	-94.9	47.1	10.2	-7.5	-7.0	332.6	332.6	0.0	999.9	10.9	221.
36.0	100.0	11790.4	225.0	-55.0	-99.9	56.4	10.8	-9.0	-8.0	334.2	334.2	0.0	999.9	12.5	222.
42.0	105.2	12133.6	200.0	-59.6	-99.9	62.9	7.3	-6.5	-6.3	338.5	338.5	0.0	999.9	14.1	225.
44.0	110.4	12941.1	175.0	-63.1	-99.9	7.8	6.5	-6.9	-6.4	344.5	344.5	0.0	999.9	15.0	224.
49.4	116.4	15913.5	150.0	-61.3	-99.9	334.9	9.1	3.6	-8.4	344.5	344.5	0.0	999.9	15.6	218.
57.0	124.0	15050.4	125.0	-59.3	-99.9	319.9	6.4	4.2	-8.9	347.6	347.6	0.0	999.9	16.9	212.
60.0	131.7	16431.6	100.0	-63.6	-99.9	297.3	3.3	2.9	-1.5	404.9	404.9	0.0	999.9	16.9	207.
64.1	140.0	18195.4	75.0	-66.3	-99.9	77.7	1.7	-1.7	-0.4	434.9	434.9	0.0	999.9	17.3	208.
74.7	149.7	20495.9	50.0	-60.8	-99.9	24.5	3.6	-1.6	-3.4	500.4	500.4	0.0	999.9	18.1	206.
89.0	154.0	27111.6	25.0	-54.4	-99.9	999.9	999.9	99.9	99.9	628.2	628.2	0.0	999.9	21.4	212.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 235
JACKSON, MISSISSIPPI

26 MAY 1977
2300 GMT

155 21. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCY	HEIGHT GPM	PROS M3	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PWT Y DG K	F POT Y DG K	W X R TD GPM/KG	RA PCT	RANGE KM	AZ DG
0.0	5.3	170.0	977.0	26.7	19.6	30.0	4.2	-2.1	-3.6	300.1	336.4	13.6	61.0	0.0	0.
0.5	97.0	97.0	1000.0	99.0	99.5	99.0	4.0	0.0	0.0	99.0	999.9	99.9	999.9	999.9	999.9
0.6	9.5	207.2	975.0	25.3	17.7	131.5	3.0	-2.2	2.1	300.6	335.9	13.2	63.1	0.0	190.
1.0	12.9	475.5	540.3	23.5	16.0	15.0	2.9	-0.9	-2.7	301.0	335.5	12.9	66.5	0.0	201.
2.5	17.2	748.1	925.0	21.5	15.9	347.3	4.0	0.9	-3.9	301.1	334.6	12.4	70.5	0.0	191.
3.5	15.5	905.7	930.0	19.7	14.7	341.0	4.1	0.6	-0.1	301.5	332.8	11.5	71.2	0.0	185.
4.5	14.1	1233.0	875.0	17.7	12.7	4.2	4.4	-0.3	-3.6	302.2	331.0	10.6	72.2	1.1	182.
5.7	23.4	1458.8	850.0	15.9	10.9	0.4	3.6	-0.0	-3.6	302.9	329.3	9.7	72.2	1.1	184.
4.2	23.1	1738.9	825.0	13.9	10.3	6.0	4.0	-0.4	-4.0	303.3	329.7	9.6	75.1	1.5	182.
7.1	25.4	1994.3	800.0	11.9	9.5	15.9	5.5	-1.5	-5.3	303.9	329.6	9.4	82.0	1.8	184.
9.1	28.2	2247.4	775.0	10.2	8.0	22.0	6.2	-2.3	-5.8	305.1	329.1	8.8	86.2	2.1	187.
11.1	31.0	2454.3	750.0	8.4	6.1	23.8	6.7	-2.7	-6.1	305.7	327.8	7.9	85.2	2.5	190.
13.1	33.8	2614.5	725.0	6.9	4.2	25.5	7.1	-3.1	-6.4	307.0	327.3	7.2	82.0	2.9	192.
15.2	36.3	2705.0	700.0	6.0	1.6	25.0	6.2	-2.6	-5.6	308.1	326.7	6.1	72.3	3.3	153.
17.4	38.9	2792.6	675.0	4.3	0.4	15.6	7.0	-1.9	-6.7	311.6	325.3	6.1	79.2	3.7	154.
19.4	41.9	2792.6	650.0	2.3	0.4	10.0	7.1	-1.2	-7.0	311.6	325.3	6.1	87.3	4.2	154.
19.5	44.9	4028.6	625.0	0.4	-3.7	12.4	7.2	-1.6	-7.0	313.0	325.9	4.7	72.3	4.7	154.
15.9	42.0	475.0	600.0	-0.4	-10.3	17.5	6.5	-2.0	-6.2	315.4	324.1	2.9	47.8	5.2	194.
17.0	40.6	4471.8	575.0	-1.4	-15.2	16.7	5.3	-1.5	-5.1	318.3	324.3	1.9	21.7	5.6	196.
18.2	38.0	5044.0	550.0	-2.4	-22.3	6.0	4.5	-0.5	-4.4	320.7	324.6	1.2	20.5	6.0	154.
19.5	35.0	5412.5	525.0	-5.9	-14.9	0.0	5.2	-0.1	-5.2	321.4	324.7	1.6	34.8	6.3	193.
21.0	40.3	5702.1	500.0	-9.3	-14.9	2.4	8.0	-0.3	-4.0	321.4	327.4	1.7	42.2	6.5	152.
23.5	43.6	6197.1	475.0	-11.4	-26.1	1.1	8.9	-0.2	-3.9	323.3	326.6	1.0	29.6	7.6	191.
25.2	45.9	5598.8	450.0	-14.4	-31.4	1.4	8.6	-0.2	-3.6	325.1	326.3	0.6	22.0	8.5	190.
25.1	70.4	7090.4	425.0	-17.5	-35.1	2.9	9.4	-0.5	-3.5	325.5	326.1	0.4	19.7	9.5	185.
27.7	74.0	7400.4	400.0	-20.4	-39.9	15.6	9.4	0.2	-3.4	328.0	325.1	0.3	16.1	10.5	199.
29.2	77.9	7934.3	375.0	-24.9	-39.5	0.5	4.3	-0.1	-4.3	328.7	325.9	0.2	24.6	11.3	186.
31.0	81.7	8432.0	350.0	-28.2	-43.8	351.8	8.2	0.9	-3.1	329.8	330.6	0.2	22.1	12.1	187.
33.1	85.7	8977.2	325.0	-33.2	-40.5	352.0	8.4	1.0	-3.3	330.8	331.3	0.1	17.5	13.1	186.
35.4	90.0	9474.1	300.0	-38.0	-47.8	345.8	7.0	2.4	-4.4	331.9	332.1	0.1	16.9	14.2	185.
37.5	94.5	10177.5	275.0	-42.7	-49.9	347.2	17.3	2.7	-12.0	333.3	330.9	99.9	99.9	15.6	193.
40.0	99.2	10744.2	250.0	-47.3	-53.2	346.7	15.8	2.8	-10.3	333.7	329.9	99.9	99.9	17.6	181.
42.5	104.0	11454.2	225.0	-52.0	-50.9	338.2	22.6	5.4	-21.0	330.8	329.9	99.9	99.9	20.4	179.
45.0	102.4	12204.2	200.0	-57.9	-50.9	131.0	25.3	12.5	-22.5	341.1	329.9	95.9	95.9	23.9	175.
48.0	114.2	13011.6	175.0	-65.0	-59.9	326.7	24.6	13.6	-20.4	342.7	329.9	99.9	99.9	28.1	171.
51.3	121.5	13705.6	150.0	-62.9	-59.9	321.6	13.4	6.2	-10.5	361.9	329.9	99.9	99.9	31.8	168.
55.5	129.5	14032.9	125.0	-61.5	-59.9	310.0	8.1	4.2	-5.2	343.6	329.9	99.9	99.9	33.4	165.
59.2	135.4	14477.9	100.0	-63.7	-59.9	285.2	4.4	4.2	-1.1	404.7	329.9	99.9	99.9	34.6	164.
63.0	142.0	15227.4	75.0	-66.0	-59.9	15.7	2.6	-0.5	-2.5	434.5	329.9	99.9	99.9	35.1	163.
65.0	141.0	20734.7	50.0	-58.3	-59.9	75.6	5.0	-4.8	-1.2	508.1	329.9	99.9	99.9	35.2	162.
68.1	150.7	25190.5	25.0	-50.0	-59.5	99.9	99.9	99.9	99.9	641.3	329.9	99.9	99.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE 4
OF POOR QUALITY

STATION NO. 247
LONGVIEW, TEXAS

26 MAY 1977

2304 GMT

150 11. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM ANGLE MINUTE VALUES

TIME MIN	CHCTY	HEIGHT GMS	ORFS MS	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	W T Y DEG K	E PCT Y DEG K	W R BTD GP/KG	SP PCT	RANGE MP	AZ DEG
00	7.1	128.0	995.7	29.4	14.9	60.0	1.0	-2.1	-1.9	102.9	336.1	12.3	47.0	0.0	0.
00.5	76.9	30.9	1000.3	99.9	59.9	94.9	99.9	93.9	93.0	40.2	599.9	99.9	999.9	555.5	95.5
01	9.4	310.4	975.0	28.7	15.0	184.7	1.4	-0.5	1.3	102.1	333.9	11.9	51.5	0.2	241.
01.5	11.6	310.7	950.0	24.7	15.4	94.7	4.4	-1.7	-2.3	102.2	333.8	11.7	56.4	0.5	241.
2.5	14.1	773.1	925.0	22.6	14.4	54.4	4.9	-1.1	-2.8	302.4	332.8	11.2	55.7	0.7	235.
3.5	14.7	1011.2	903.7	20.4	13.9	54.0	4.6	-1.9	-3.9	70.7	333.0	11.2	65.7	1.0	239.
4.5	14.9	1245.0	875.0	18.0	12.5	54.2	7.7	-2.3	-1.4	302.5	331.0	10.5	70.1	1.2	236.
5.5	21.3	1505.1	849.0	17.0	7.3	24.0	1.7	-0.7	-1.6	304.0	325.4	7.7	53.4	1.3	237.
6.5	27.9	1750.1	825.0	15.3	4.3	12.9	2.3	-0.5	-2.2	304.5	322.6	6.3	47.6	1.4	234.
7.5	24.3	2014.4	800.7	13.5	3.2	24.4	2.7	-1.2	-2.4	305.5	322.6	6.0	45.7	1.5	231.
8.5	20.0	2262.7	775.0	11.4	2.0	24.0	3.4	-1.7	-1.0	324.0	322.3	5.7	52.4	1.7	229.
9.5	31.0	2444.2	750.0	9.4	0.9	12.4	3.3	-0.7	-3.2	106.4	322.4	5.4	55.0	1.9	225.
10.5	74.7	2617.1	725.0	8.0	-0.6	345.9	2.0	0.2	-2.8	305.2	322.6	5.0	53.3	2.1	222.
11.5	77.4	3124.5	700.0	7.2	-4.2	337.9	3.4	1.3	-3.6	310.4	322.4	4.0	42.5	2.2	218.
12.5	60.7	3424.4	675.0	5.4	-12.4	341.5	6.5	2.1	-5.2	312.1	316.8	3.2	35.4	2.4	211.
13.5	42.0	3777.2	650.0	3.4	-17.0	344.7	4.4	2.6	-3.1	315.1	320.1	1.5	18.0	2.7	204.
14.5	46.0	4057.1	625.0	3.4	-19.4	336.4	9.1	3.6	-4.3	316.3	320.9	1.4	15.3	3.2	196.
15.5	49.1	4341.4	600.0	0.7	-20.0	325.0	9.7	5.6	-7.9	314.2	321.1	1.3	16.4	3.8	185.
16.5	42.0	4721.4	575.0	-2.0	-21.1	319.2	10.5	6.8	-7.9	317.7	321.7	1.2	21.4	4.3	181.
17.5	55.2	4974.2	550.0	-8.9	-15.0	324.7	4.9	5.7	-9.0	319.3	325.1	2.2	45.6	5.6	174.
18.5	58.4	5145.5	525.0	-6.7	-15.7	324.7	7.7	1.0	-1.6	321.0	327.8	2.1	44.7	5.6	172.
19.5	61.3	5414.5	500.0	-7.3	-19.1	325.6	6.7	1.8	-5.5	321.4	327.2	1.7	44.4	6.1	169.
20.5	45.2	5213.1	475.0	-11.4	-21.6	319.2	6.9	4.5	-3.2	323.4	328.1	1.4	42.7	6.4	157.
21.5	64.4	5628.4	450.0	-15.4	-22.0	303.4	9.2	9.3	-4.5	325.9	324.4	1.3	52.4	7.1	144.
22.5	72.1	6050.2	425.0	-17.3	-24.5	297.4	9.6	4.5	-4.5	325.9	324.4	0.9	54.6	7.1	135.
23.5	75.0	6470.4	400.0	-20.0	-31.9	295.1	9.6	4.6	-4.2	327.3	320.2	0.7	56.5	9.4	125.
24.5	80.8	6870.4	375.0	-24.5	-33.1	292.0	10.0	9.3	-3.8	320.2	331.4	0.6	44.3	9.5	121.
25.5	84.0	7250.0	350.0	-27.8	-40.4	292.9	9.3	9.5	-7.4	331.3	332.5	0.3	28.5	10.2	118.
26.5	92.5	7650.0	325.0	-31.9	-41.7	287.4	9.4	9.2	-1.9	332.9	332.7	0.2	28.6	11.0	144.
27.5	97.0	8050.0	300.0	-34.9	-44.5	285.1	11.2	13.2	-4.4	333.4	333.9	0.2	28.7	12.2	141.
28.5	101.1	8450.0	275.0	-41.1	-49.9	290.0	12.7	11.9	-6.1	335.7	999.9	99.9	999.9	13.4	139.
29.5	105.1	8850.0	250.0	-44.6	-50.4	290.3	15.2	14.3	-5.3	336.8	999.9	99.9	999.9	14.2	132.
30.5	107.0	9250.0	225.0	-42.6	-50.9	241.6	19.1	17.7	-3.7	334.0	999.9	99.9	999.9	17.5	121.
31.5	112.7	9650.0	200.0	-59.1	-59.9	276.0	20.0	20.4	-2.2	340.4	999.9	99.9	999.9	20.1	120.
32.5	114.0	10050.0	175.0	-64.6	-59.9	274.2	22.7	21.5	-1.7	343.3	999.9	99.9	999.9	22.8	121.
33.5	124.0	10450.0	150.0	-66.5	-59.9	281.2	14.8	14.8	-5.7	335.6	999.9	99.9	999.9	28.2	117.
34.5	130.6	10850.0	125.0	-64.9	-64.9	289.4	4.0	7.5	-2.6	337.8	999.9	99.9	999.9	30.9	116.
35.5	137.4	11250.0	100.0	-64.1	-64.1	249.5	5.3	5.0	1.0	403.9	999.9	99.9	999.9	31.9	116.
36.5	144.1	11650.0	75.0	-65.7	-64.9	22.9	4.3	-1.7	-6.0	435.3	999.9	99.9	999.9	33.7	116.
37.5	151.7	12050.0	50.0	-67.4	-64.9	71.2	4.5	-4.3	-1.5	508.5	999.9	99.9	999.9	32.4	116.
38.5	154.7	12450.0	25.0	-69.6	-69.6	999.9	999.9	99.9	99.9	642.8	999.9	99.9	999.9	29.5	116.

° BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
° BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
° BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION N1. 25E
VICTORIA, TEXAS

25 MAY 1977

2300 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

103 12. 1

TIME MIN	CNCT	WIND KPH	DRS MM	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SFC	U COMP M/SFC	V COMP M/SFC	WY T DG K	F TOT DG K	P2 KTO GM/KG	AM PCT	RANGE KM	AZ OG
0.0	5.2	17.0	1004.7	29.4	19.2	140.0	5.2	-3.3	4.0	102.1	235.9	14.1	54.0	0.0	0.
0.2	4.7	14.5	1003.0	28.4	18.3	242.6	4.8	4.1	3.2	101.9	239.9	14.1	57.1	0.2	340.
0.4	4.0	11.0	999.0	25.9	17.4	203.7	3.4	1.5	3.5	101.2	236.7	13.3	61.3	0.4	332.
0.6	3.2	10.4	995.0	23.9	17.9	180.0	4.3	-2.4	4.2	101.3	236.1	13.7	68.8	0.6	321.
0.8	2.5	9.2	992.0	21.0	17.4	140.4	4.5	-2.9	3.5	101.7	236.9	13.1	78.4	0.8	311.
1.0	1.8	7.5	990.7	20.2	11.5	125.4	4.0	-3.2	2.4	102.3	228.4	9.6	72.4	1.0	327.
1.2	1.2	10.0	990.0	18.4	8.9	121.3	3.2	-3.4	2.0	102.9	225.6	8.2	52.7	1.2	323.
1.4	1.5	12.0	987.0	18.4	8.9	121.3	3.2	-3.4	2.0	102.9	225.6	8.2	52.7	1.4	323.
1.6	1.8	14.0	980.0	16.0	5.4	137.0	1.7	-2.5	2.7	103.8	222.5	6.7	47.0	1.6	320.
1.8	2.1	16.0	972.0	16.7	-0.3	163.2	1.4	-0.4	3.3	105.2	219.4	4.6	21.2	1.8	323.
2.0	2.4	18.0	965.0	15.0	-1.5	148.1	3.2	-1.2	3.0	107.1	218.0	2.7	27.6	2.0	325.
2.2	2.7	20.0	958.0	14.3	-2.0	118.4	2.7	-2.3	1.3	109.4	212.2	2.9	22.0	2.2	322.
2.4	3.0	22.0	950.0	14.5	-2.1	242.8	1.0	0.9	0.5	112.4	210.6	2.1	16.6	2.4	324.
2.6	3.3	24.0	942.0	12.7	-1.7	256.9	2.4	2.2	-1.1	113.4	210.1	2.1	16.9	2.6	326.
2.8	3.6	26.0	935.0	10.7	-1.2	266.3	3.2	3.2	-1.6	114.0	215.7	1.9	16.2	2.8	328.
3.0	3.9	28.0	928.0	8.1	-1.4	294.0	4.4	4.1	-1.9	114.7	216.7	1.6	15.6	3.0	321.
3.2	4.2	30.0	920.0	5.5	-6.7	301.8	5.3	4.5	-2.4	115.2	216.0	3.6	41.0	3.2	329.
3.4	4.5	32.0	912.0	2.9	-9.1	312.6	6.2	4.5	-4.2	115.8	215.2	3.1	45.7	3.4	329.
3.6	4.8	34.0	905.0	0.7	-12.6	323.7	6.5	2.9	-5.4	116.9	214.6	2.5	38.8	3.6	37.
3.8	5.1	36.0	898.0	-1.3	-10.4	343.0	5.1	1.0	-5.2	117.3	217.0	2.9	30.3	3.8	75.
4.0	5.4	38.0	890.0	-4.0	-12.7	321.6	6.9	4.3	-5.4	119.3	217.0	2.6	30.7	4.0	67.
4.2	5.7	40.0	882.0	-6.2	-15.6	311.9	10.4	7.7	-6.9	121.0	218.0	2.2	47.1	4.2	123.
4.4	6.0	42.0	875.0	-8.9	-19.5	304.4	9.0	7.4	-5.1	122.2	217.5	1.6	41.7	4.4	125.
4.6	6.3	44.0	868.0	-10.2	-22.6	294.0	8.5	7.9	-3.5	125.1	218.1	0.5	22.2	4.6	124.
4.8	6.6	46.0	860.0	-12.6	-22.0	294.0	9.8	9.4	-2.4	127.4	219.3	0.6	17.9	4.8	120.
5.0	6.9	48.0	852.0	-15.6	-25.9	274.2	10.0	7.7	-2.3	128.2	219.4	0.3	15.7	5.0	117.
5.2	7.2	50.0	845.0	-19.1	-35.9	274.2	8.9	9.4	-0.7	129.9	219.1	0.3	15.7	5.2	113.
5.4	7.5	52.0	838.0	-22.9	-41.6	270.7	10.6	10.6	-0.1	131.3	217.3	0.3	16.6	5.4	116.
5.6	7.8	54.0	830.0	-27.2	-44.3	271.2	11.0	11.0	-0.2	132.2	217.9	0.2	18.9	5.6	107.
5.8	8.1	56.0	822.0	-31.4	-44.4	270.4	12.4	12.4	-0.2	133.4	214.0	0.1	18.3	5.8	104.
6.0	8.4	58.0	815.0	-35.1	-51.5	273.4	14.3	15.3	-0.9	134.5	214.9	0.1	17.7	6.0	102.
6.2	8.7	60.0	808.0	-38.9	-55.9	272.1	19.0	19.0	-0.7	135.4	214.9	0.1	17.7	6.2	101.
6.4	9.0	62.0	800.0	-42.4	-59.9	260.0	17.4	19.6	0.4	137.1	214.9	0.1	17.7	6.4	95.
6.6	9.3	64.0	792.0	-46.4	-64.4	256.4	10.9	19.9	1.1	138.9	214.9	0.1	17.7	6.6	90.
6.8	9.6	66.0	785.0	-50.4	-68.4	256.4	20.4	20.4	3.8	140.9	214.9	0.1	17.7	6.8	85.
7.0	9.9	68.0	778.0	-54.4	-72.4	256.4	14.5	19.4	0.5	143.9	214.9	0.1	17.7	7.0	80.
7.2	10.2	70.0	770.0	-58.4	-76.4	256.4	20.4	20.4	-0.5	145.9	214.9	0.1	17.7	7.2	75.
7.4	10.5	72.0	762.0	-62.4	-80.4	256.4	17.4	17.4	-2.4	147.9	214.9	0.1	17.7	7.4	70.
7.6	10.8	74.0	755.0	-66.4	-84.4	256.4	14.5	8.2	2.4	149.9	214.9	0.1	17.7	7.6	65.
7.8	11.1	76.0	748.0	-70.4	-88.4	256.4	14.5	0.6	-4.4	151.9	214.9	0.1	17.7	7.8	60.
8.0	11.4	78.0	740.0	-74.4	-92.4	256.4	14.5	-5.0	-1.9	153.9	214.9	0.1	17.7	8.0	55.
8.2	11.7	80.0	732.0	-78.4	-96.4	256.4	14.5	9.9	0.9	155.9	214.9	0.1	17.7	8.2	50.
8.4	12.0	82.0	725.0	-82.4	-100.4	256.4	14.5	9.9	0.9	157.9	214.9	0.1	17.7	8.4	45.
8.6	12.3	84.0	718.0	-86.4	-104.4	256.4	14.5	9.9	0.9	159.9	214.9	0.1	17.7	8.6	40.
8.8	12.6	86.0	710.0	-90.4	-108.4	256.4	14.5	9.9	0.9	161.9	214.9	0.1	17.7	8.8	35.
9.0	12.9	88.0	702.0	-94.4	-112.4	256.4	14.5	9.9	0.9	163.9	214.9	0.1	17.7	9.0	30.
9.2	13.2	90.0	695.0	-98.4	-116.4	256.4	14.5	9.9	0.9	165.9	214.9	0.1	17.7	9.2	25.
9.4	13.5	92.0	688.0	-102.4	-120.4	256.4	14.5	9.9	0.9	167.9	214.9	0.1	17.7	9.4	20.
9.6	13.8	94.0	680.0	-106.4	-124.4	256.4	14.5	9.9	0.9	169.9	214.9	0.1	17.7	9.6	15.
9.8	14.1	96.0	672.0	-110.4	-128.4	256.4	14.5	9.9	0.9	171.9	214.9	0.1	17.7	9.8	10.
10.0	14.4	98.0	665.0	-114.4	-132.4	256.4	14.5	9.9	0.9	173.9	214.9	0.1	17.7	10.0	5.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 261
DEL RIO, TEXAS

26 MAY 1977
2300 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

183 24. 1

TIME MIN	CNTCT	WRIGHT GPM	PRIS MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GP/KG	RH PCT	RANGE KM	AZ DG
0.0	8.0	314.0	970.5	27.6	20.7	120.0	4.2	-3.4	2.1	303.3	346.3	16.1	65.0	0.0	0.0
0.9	9.0	314.0	1000.0	27.6	20.7	99.9	99.9	99.9	99.9	99.0	999.9	99.9	999.9	99.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.7	10.4	314.0	970.5	27.6	20.7	20.1	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
1.6	12.4	314.0	970.5	27.6	20.7	19.5	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
2.7	14.4	314.0	970.5	27.6	20.7	18.9	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
3.7	16.4	314.0	970.5	27.6	20.7	18.3	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
4.6	18.4	314.0	970.5	27.6	20.7	17.7	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
5.7	20.4	314.0	970.5	27.6	20.7	17.1	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
6.6	22.4	314.0	970.5	27.6	20.7	16.5	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
7.5	24.4	314.0	970.5	27.6	20.7	15.9	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
8.0	25.1	314.0	970.5	27.6	20.7	15.3	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
9.0	26.1	314.0	970.5	27.6	20.7	14.7	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
10.4	27.2	314.0	970.5	27.6	20.7	14.1	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
11.1	28.2	314.0	970.5	27.6	20.7	13.5	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
12.4	29.3	314.0	970.5	27.6	20.7	12.9	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
13.5	30.4	314.0	970.5	27.6	20.7	12.3	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
14.5	31.0	314.0	970.5	27.6	20.7	11.7	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
15.6	31.6	314.0	970.5	27.6	20.7	11.1	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
16.8	32.2	314.0	970.5	27.6	20.7	10.5	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
18.0	32.9	314.0	970.5	27.6	20.7	9.9	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
19.4	33.5	314.0	970.5	27.6	20.7	9.3	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
20.5	34.1	314.0	970.5	27.6	20.7	8.7	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
21.2	34.6	314.0	970.5	27.6	20.7	8.1	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
22.6	35.2	314.0	970.5	27.6	20.7	7.5	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
24.4	35.8	314.0	970.5	27.6	20.7	6.9	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
26.8	36.4	314.0	970.5	27.6	20.7	6.3	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
29.1	37.0	314.0	970.5	27.6	20.7	5.7	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
30.5	37.6	314.0	970.5	27.6	20.7	5.1	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
32.2	38.2	314.0	970.5	27.6	20.7	4.5	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
34.1	38.8	314.0	970.5	27.6	20.7	3.9	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
36.1	39.4	314.0	970.5	27.6	20.7	3.3	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
38.0	40.0	314.0	970.5	27.6	20.7	2.7	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
40.1	40.6	314.0	970.5	27.6	20.7	2.1	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
42.4	41.2	314.0	970.5	27.6	20.7	1.5	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
45.3	41.8	314.0	970.5	27.6	20.7	0.9	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
48.1	42.4	314.0	970.5	27.6	20.7	0.3	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
51.4	43.0	314.0	970.5	27.6	20.7	-0.3	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
55.0	43.6	314.0	970.5	27.6	20.7	-0.9	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
61.7	44.2	314.0	970.5	27.6	20.7	-1.5	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
68.4	44.8	314.0	970.5	27.6	20.7	-2.1	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
75.0	45.4	314.0	970.5	27.6	20.7	-2.7	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
81.0	46.0	314.0	970.5	27.6	20.7	-3.3	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
87.3	46.6	314.0	970.5	27.6	20.7	-3.9	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0
91.3	47.2	314.0	970.5	27.6	20.7	-4.5	3.2	1.5	2.9	304.8	347.5	15.8	65.1	0.0	0.0

° BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
° BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
° BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 327
NASHVILLE, TENNESSEE

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES
26 MAY 1977
2305 GMT

185 18. 1

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GP/KG	RH PCT	RANGE KM	AZ DG
0.0	7.2	180.0	990.0	28.4	11.5	30.0	4.7	0.0	-4.2	302.4	326.2	8.7	25.8	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.3	8.5	304.3	975.0	26.6	13.1	270.1	4.7	4.7	-0.0	301.9	328.5	5.8	43.2	0.5	194.
1.2	10.4	435.2	950.0	24.9	12.1	69.3	4.7	-4.4	-1.7	302.5	328.1	9.4	47.7	0.4	207.
2.0	12.9	749.1	925.0	22.4	10.6	38.9	7.2	-4.5	-5.6	302.2	326.1	9.7	47.4	0.3	212.
2.8	15.2	1005.5	900.0	20.0	9.6	43.8	7.2	-5.0	-5.2	302.1	325.1	8.4	21.1	1.1	215.
3.6	17.4	1249.0	875.0	18.1	9.5	48.4	7.2	-5.4	-4.8	302.6	326.1	8.5	58.9	1.5	216.
4.4	19.4	1495.3	850.0	16.6	8.5	55.9	6.8	-5.6	-5.8	302.5	325.1	8.2	62.4	1.8	220.
5.4	22.0	1748.0	825.0	13.4	8.3	71.9	6.5	-6.2	-2.0	302.7	325.7	8.4	71.4	2.1	224.
6.2	24.5	2006.7	800.0	11.4	7.4	88.2	7.1	-7.1	-0.2	303.4	325.8	8.1	78.0	2.4	228.
7.1	26.9	2271.6	775.0	9.7	4.6	95.6	8.3	-8.2	0.8	304.2	323.5	8.9	78.4	2.7	235.
8.2	29.4	2543.4	750.0	8.1	0.2	97.8	7.6	-7.5	1.0	305.6	320.4	5.2	56.7	3.1	241.
9.4	32.1	2821.5	725.0	7.4	-2.4	87.7	7.9	-7.9	-0.3	307.5	320.5	4.4	50.0	3.6	246.
10.4	34.7	3111.5	700.0	5.4	-6.5	79.1	9.1	-8.9	-1.7	308.7	318.7	3.4	41.4	4.1	248.
11.6	37.1	3402.4	675.0	4.2	-7.4	77.5	8.6	-8.4	-1.9	310.4	320.1	3.3	42.4	4.8	249.
12.9	39.9	3714.3	650.0	1.6	-9.1	73.7	8.5	-8.2	-2.4	310.8	319.8	2.0	44.7	5.3	250.
13.8	42.5	4029.4	625.0	-0.4	-7.6	76.0	8.6	-8.3	-2.1	312.0	322.5	3.5	58.6	5.9	250.
15.1	45.4	4355.6	600.0	-1.2	-14.5	82.6	10.2	-10.1	-1.3	314.7	321.2	2.1	35.5	6.5	251.
16.2	48.3	4697.9	575.0	-3.1	-23.9	85.5	11.4	-11.3	-0.9	316.4	319.5	1.0	18.2	7.3	253.
17.4	51.1	5044.5	550.0	-5.1	-19.6	87.7	11.0	-10.9	-0.4	318.1	323.1	1.6	23.1	8.2	254.
18.0	54.3	5409.7	525.0	-7.4	-15.6	88.5	12.0	-12.0	-0.3	319.6	326.5	2.2	25.8	5.1	254.
20.3	57.1	5747.4	500.0	-9.5	-14.3	80.0	10.4	-10.7	-1.9	321.5	329.5	2.5	67.8	10.0	257.
21.6	60.4	6142.2	475.0	-12.6	-15.8	69.6	9.8	-9.1	-3.4	322.4	329.9	2.3	76.8	10.8	257.
23.0	63.7	6592.6	450.0	-15.9	-14.6	63.5	8.7	-7.8	-3.9	323.2	330.7	2.3	64.1	11.6	256.
24.4	67.0	7022.1	425.0	-17.7	-23.4	62.6	6.1	-5.4	-2.8	326.3	330.8	1.3	55.6	12.3	255.
25.0	70.4	7473.0	400.0	-21.4	-27.4	62.8	5.6	-5.0	-2.4	327.2	330.7	1.0	57.8	12.7	258.
27.6	74.0	7944.2	375.0	-25.3	-1.3	64.0	5.2	-4.6	-2.3	328.1	330.7	0.7	56.8	13.3	254.
29.4	77.9	8442.5	350.0	-29.1	-37.7	69.1	3.8	-3.6	-1.4	329.5	331.0	0.4	42.0	13.8	254.
32.0	81.7	8948.2	325.0	-33.2	-44.5	64.4	3.8	-3.4	-1.6	330.9	331.7	0.2	21.1	14.3	254.
34.1	85.7	9424.0	300.0	-34.3	-48.9	69.4	3.1	-3.3	0.5	331.4	332.0	0.1	31.4	14.7	254.
35.0	90.0	10116.8	275.0	-43.3	99.9	112.1	3.3	-3.1	1.3	332.5	999.9	98.9	955.9	15.0	255.
38.3	94.5	10740.9	250.0	-48.7	99.9	117.3	4.1	-3.6	1.9	333.7	999.9	99.9	959.9	15.4	256.
41.0	99.4	11474.1	225.0	-54.2	99.9	136.1	5.4	-3.7	3.9	335.4	999.9	95.9	995.9	15.9	258.
43.7	104.4	12175.8	200.0	-60.4	99.9	123.5	4.6	-3.8	2.5	337.1	999.9	90.9	955.9	16.4	260.
45.9	110.0	13001.7	175.0	-64.9	99.9	307.4	2.3	1.9	-1.4	343.0	999.9	99.9	995.9	16.6	261.
50.4	115.8	17946.1	150.0	-62.6	99.9	335.3	3.8	1.6	-3.4	342.3	999.9	99.9	995.9	16.7	259.
54.7	122.8	19077.2	125.0	-62.1	99.9	340.3	5.2	1.8	-4.9	342.5	999.9	99.9	995.9	16.3	254.
59.9	130.3	14659.4	100.0	-61.7	99.9	311.0	5.3	4.0	-3.5	408.6	999.9	99.9	995.9	15.9	249.
65.4	139.3	14270.7	75.0	-62.9	99.9	14.3	2.8	-0.7	-2.7	441.0	999.9	99.9	955.9	15.3	244.
75.4	146.7	20760.6	50.0	-57.6	99.9	42.2	4.1	-2.7	-3.0	507.9	999.9	99.9	995.9	16.6	243.
90.2	155.7	25196.9	25.0	-52.1	99.9	106.0	7.0	-6.7	1.9	638.1	999.9	99.9	955.9	22.2	243.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OF TIME HAVE BEEN INTERPOLATED
* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 340
 LITTLE ROCK, ARKANSAS

 24 MAY 1977
 2300 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM SHOT MINUTE VALUES

183 11. 1

TIME MIN	CNTCY	WIGHT GMS	PRES MM	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DEG K	F POT Y DEG K	PX RTO GM/KG	RH PCT	RANGE KM	AZ DEG
0.0	7.0	172.0	991.8	24.8	15.7	20.0	4.2	-1.6	-3.0	102.7	332.5	11.4	45.0	0.0	0.
00.0	99.9	99.0	1000.7	99.9	99.9	00.0	99.9	00.0	99.9	99.9	99.9	99.9	99.9	9.0	990.
0.0	9.0	321.7	574.0	27.0	14.0	57.1	2.9	-2.4	-1.6	302.4	332.3	11.0	47.0	0.2	216.
1.0	10.0	552.4	950.0	24.4	13.8	49.7	5.9	-4.5	-3.8	101.9	330.4	10.5	51.6	0.4	224.
2.0	11.0	785.4	525.0	22.1	12.8	49.0	7.2	-4.4	-4.7	301.9	329.4	10.1	53.6	0.6	227.
3.0	12.0	1022.9	600.0	20.0	12.0	50.2	6.2	-4.6	-4.0	302.1	329.0	9.9	55.6	0.7	229.
4.0	13.0	1245.5	675.0	18.2	10.6	50.6	5.9	-4.5	-3.7	302.7	328.1	9.3	61.1	1.3	229.
5.0	14.0	1517.2	750.0	16.1	9.0	50.1	5.4	-4.5	-3.7	303.1	327.0	8.0	66.4	1.7	229.
6.0	15.0	1764.5	825.0	14.0	5.5	47.9	5.5	-4.1	-3.7	303.4	325.7	6.9	66.4	2.0	226.
7.0	16.0	2025.6	900.0	12.0	3.5	51.1	5.1	-4.7	-3.8	304.0	321.3	6.2	55.9	3.3	226.
8.0	17.0	2291.4	775.0	11.0	1.7	55.1	6.5	-5.4	-3.8	304.7	321.1	5.4	50.7	2.7	230.
9.0	18.0	2564.1	750.0	9.2	-2.7	52.1	6.2	-4.9	-3.4	305.2	318.9	4.3	45.5	3.1	230.
10.0	19.0	2847.8	725.0	6.9	-7.8	49.5	6.2	-4.7	-4.1	307.0	315.8	3.0	34.4	3.4	230.
11.0	20.0	3131.1	700.0	5.0	-14.6	46.2	6.0	-4.9	-4.4	308.0	313.5	1.8	22.0	3.8	230.
12.0	21.0	3427.4	675.0	4.1	-17.0	44.3	4.2	-4.7	-4.0	310.7	310.7	1.4	16.6	4.2	230.
13.0	22.0	3733.1	650.0	2.7	-20.9	42.2	5.4	-4.5	-3.0	313.4	315.1	1.1	16.6	4.6	229.
14.0	23.0	4049.4	625.0	1.4	-27.0	43.1	4.8	-3.1	-3.5	316.1	325.1	3.7	54.1	5.0	229.
15.0	24.0	4377.1	600.0	-0.5	-34.8	7.7	3.7	-0.5	-3.6	318.5	325.6	3.3	53.5	5.3	228.
16.0	25.0	4714.5	575.0	-2.8	-45.7	347.6	5.0	1.4	-4.4	317.1	323.4	2.0	35.2	5.3	228.
17.0	26.0	5067.9	550.0	-4.3	-57.3	347.1	6.5	1.5	-6.4	319.0	323.2	1.3	25.0	5.7	221.
18.0	27.0	5432.9	425.0	-6.4	-73.8	151.7	6.6	0.9	-6.5	320.5	324.1	1.1	24.1	6.0	217.
19.0	28.0	5812.7	500.0	-7.0	-82.4	354.1	6.7	0.5	-6.7	323.4	325.1	0.5	11.9	6.5	213.
20.0	29.0	6207.0	475.0	-11.1	-93.5	351.4	6.4	1.0	-6.5	325.2	325.9	0.4	13.7	6.9	211.
21.0	30.0	6621.4	450.0	-14.7	-105.7	347.8	5.4	1.2	-6.8	325.3	326.7	0.4	14.2	7.3	208.
22.0	31.0	7052.2	425.0	-17.7	-119.9	354.1	4.6	0.5	-6.6	325.3	327.3	0.3	12.2	7.7	205.
23.0	32.0	7493.0	400.0	-20.7	-141.7	354.5	4.8	0.5	-6.4	325.1	329.0	0.2	12.1	8.1	204.
24.0	33.0	7976.4	375.0	-24.3	-162.1	336.9	6.4	2.5	-6.9	329.4	330.4	0.2	17.5	8.6	201.
25.0	34.0	8482.2	300.0	-28.4	-185.0	320.1	7.1	2.6	-6.4	338.0	334.4	0.1	17.9	10.4	193.
26.0	35.0	9011.9	325.0	-32.4	-209.1	361.1	5.9	2.2	-6.5	330.3	331.1	0.2	18.4	9.1	198.
27.0	36.0	9562.2	300.0	-36.4	-234.4	370.2	7.5	2.7	-7.0	339.0	332.6	0.1	17.6	9.7	195.
28.0	37.0	10159.0	275.0	-41.3	-259.9	329.4	9.4	4.3	-7.4	339.4	335.9	99.9	95.9	10.4	193.
29.0	38.0	10799.4	250.0	-46.4	-284.9	324.9	11.5	6.6	-7.4	336.7	336.9	99.9	95.9	12.1	195.
30.0	39.0	11400.6	225.0	-52.4	-309.9	310.7	13.2	8.5	-10.1	336.1	336.9	99.9	95.9	13.5	180.
31.0	40.0	12000.1	200.0	-58.4	-334.9	294.5	14.4	12.2	-14.4	336.9	336.9	99.9	95.9	15.0	174.
32.0	41.0	12607.8	175.0	-65.1	-359.9	294.5	14.0	14.0	-17.7	342.6	336.9	99.9	95.9	16.7	167.
33.0	42.0	13209.2	150.0	-68.8	-384.9	294.4	11.4	10.3	-20.7	350.5	336.9	99.9	95.9	18.7	161.
34.0	43.0	13814.1	125.0	-63.4	-409.9	294.4	6.9	6.5	-23.3	340.3	336.9	99.9	95.9	19.9	150.
35.0	44.0	14430.4	100.0	-64.2	-434.9	245.4	3.2	2.9	-1.3	401.7	336.9	99.9	95.9	20.8	154.
36.0	45.0	15047.0	75.0	-63.4	-459.9	123.0	3.1	-2.6	1.7	410.9	336.9	99.9	95.9	21.0	153.
37.0	46.0	15675.1	50.0	-58.4	-484.9	57.8	3.8	-4.9	-2.1	509.1	336.9	99.9	95.9	21.8	180.
38.0	47.0	16300.1	25.0	-51.6	-509.9	999.9	999.9	999.9	999.9	636.2	336.9	99.9	95.9	22.0	171.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN A AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 349
MONETT, MISSOURI

26 MAY 1977

183 13. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNCT	HEIGHT GCM	PRV S MM	TEMP DG C	DEW PT DG C	DIR DU	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	M/R TO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	9.5	479.0	941.4	26.7	16.9	170.0	3.1	-2.4	2.0	303.3	337.7	12.7	55.0	0.0	0.
99.9	90.0	90.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	90.0	90.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.2	10.5	479.5	941.5	26.6	16.0	312.4	3.7	2.9	-2.5	332.2	336.2	12.2	55.4	0.5	106.
1.7	12.4	777.5	725.0	23.4	14.2	272.1	3.5	3.5	-0.1	103.4	332.0	11.1	55.6	0.5	306.
2.1	15.2	1014.2	500.0	21.1	13.0	113.4	5.6	-5.1	2.7	303.2	332.0	10.6	66.1	0.8	206.
3.0	17.4	1259.5	875.0	19.9	12.0	116.1	5.9	-5.3	2.6	303.5	331.2	10.1	64.1	1.1	299.
4.0	19.9	1598.0	930.0	16.4	11.1	114.3	5.9	-5.4	2.4	303.6	330.4	5.3	66.7	1.4	298.
5.0	22.2	1741.7	925.0	14.3	9.8	116.4	5.7	-5.1	2.5	303.7	329.3	6.3	74.7	1.8	297.
5.9	24.9	2021.1	900.0	12.7	5.5	120.7	5.3	-4.5	2.6	303.8	328.2	7.1	63.3	2.1	298.
7.0	27.2	2287.1	775.0	11.1	-0.1	112.1	5.1	-4.7	1.6	303.8	319.9	4.9	46.1	2.4	298.
8.0	29.3	2550.1	750.0	9.2	1.5	99.9	4.9	-4.3	0.4	304.6	322.9	5.7	58.3	2.7	297.
9.1	32.7	2840.7	725.0	7.0	-0.4	100.4	5.3	-5.2	1.0	307.2	322.0	5.1	55.0	3.0	294.
13.2	45.3	4124.1	700.0	5.5	-6.2	104.4	4.4	-4.4	1.5	308.6	318.9	3.5	43.4	3.4	293.
11.5	38.0	3425.2	675.0	4.1	-14.5	115.4	4.0	-3.6	1.7	311.4	317.1	1.8	22.5	3.7	293.
12.5	40.5	3722.2	650.0	3.7	-20.1	129.4	3.7	-2.6	2.1	311.2	317.0	1.2	18.5	3.9	294.
13.9	47.1	4089.4	625.0	1.5	-10.3	147.7	2.5	-1.4	2.1	314.2	322.8	2.8	41.0	4.1	295.
14.9	49.3	4375.9	600.0	-0.6	-10.4	194.4	1.0	0.2	0.9	315.4	324.4	2.9	47.9	4.2	296.
16.1	49.3	4718.7	575.0	-2.8	-17.7	243.2	0.8	0.7	0.4	315.8	322.1	1.7	30.6	4.2	296.
17.2	52.1	5054.4	450.0	-4.9	-25.6	252.6	1.3	1.3	0.4	319.3	321.2	0.9	17.8	4.1	297.
18.5	55.2	5400.4	325.0	-7.8	-25.9	230.1	1.4	1.2	0.7	319.1	322.0	0.9	21.7	4.1	298.
19.9	58.3	5907.9	500.0	-10.3	-31.1	227.7	0.9	0.7	0.6	320.5	322.9	0.6	16.4	4.0	300.
21.3	61.4	6201.2	475.0	-12.5	-36.7	240.7	1.1	1.0	0.6	322.5	323.7	0.3	11.1	4.0	301.
22.5	65.0	6412.4	450.0	-14.4	-37.7	147.1	1.4	-0.4	1.4	325.3	328.2	0.9	36.9	4.0	302.
24.4	68.3	7044.2	375.0	-17.4	-29.1	176.6	1.8	-0.1	1.8	326.7	329.4	0.8	35.0	4.1	302.
25.0	71.7	7485.4	400.0	-20.7	-29.0	247.5	4.3	4.0	1.7	328.2	331.2	0.9	46.9	4.0	305.
27.7	75.4	7950.9	375.0	-24.4	-34.1	251.1	6.0	6.2	2.1	329.3	331.3	0.6	39.7	3.7	313.
29.3	78.5	8455.6	350.0	-29.1	-40.5	252.4	6.3	6.0	1.9	330.9	332.1	0.3	28.9	3.4	323.
31.2	83.3	9027.0	325.0	-31.0	-45.0	247.5	1.6	4.2	1.7	332.7	333.5	0.2	28.7	3.3	332.
33.1	87.5	9557.2	300.0	-36.4	-48.7	267.1	4.6	4.6	0.6	334.1	334.6	0.1	26.4	3.3	341.
34.2	92.0	10123.7	275.0	-41.8	-59.9	249.9	3.7	3.7	0.0	334.7	335.9	56.9	955.9	3.1	351.
37.4	94.4	10727.0	250.0	-46.9	-65.5	244.4	7.7	7.5	-0.9	336.4	336.9	99.9	955.9	3.0	0.
40.1	101.4	11491.7	225.0	-53.2	-60.9	246.2	5.1	4.9	-1.3	337.0	337.0	99.9	955.9	2.9	12.
42.5	104.6	12250.0	200.0	-59.7	-69.5	270.4	7.4	7.4	-0.1	337.1	337.1	99.9	955.9	3.1	10.
45.9	112.5	13055.7	175.0	-64.5	-69.9	267.1	9.5	8.5	0.4	347.5	347.5	99.9	999.9	4.2	40.
49.4	114.7	13901.4	150.0	-65.5	-69.5	267.5	5.7	6.5	1.4	357.3	345.9	99.9	955.9	5.3	56.
52.8	125.4	15114.0	125.0	-61.7	-69.5	254.0	5.7	5.6	0.4	363.3	345.9	99.9	955.9	6.8	61.
57.4	135.1	16407.3	100.0	-61.1	-69.5	257.5	7.5	2.5	0.5	407.8	345.9	99.9	999.9	7.9	65.
63.1	141.7	19271.2	75.0	-62.8	-69.9	321.5	1.6	1.0	-1.2	441.7	345.9	99.9	955.9	8.1	66.
71.1	149.0	20804.1	50.0	-58.3	-69.9	45.0	5.9	-4.1	-4.1	536.0	345.9	99.9	999.9	7.5	70.
87.4	157.3	25250.8	25.0	-48.5	-69.9	900.0	999.9	56.9	99.9	64.6	999.9	56.9	955.9	1.5	52.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OF TINF HAVE BEEN INTERPOLATED
 * BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 433
SALF, ILLINOIS

26 MAY 1977
2300 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

100 12. 1

TIME MIN	CNTCT	WFLGHT GDM	PRES WS	TEMP DG C	NEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PCT Y DG K	F PCT Y DG K	PK RTG GP/KG	PCT	RANGE NM	AZ DG
0.0	7.5	174.0	993.4	31.1	7.5	40.0	3.7	-3.2	-1.5	105.2	323.8	6.5	23.0	0.0	0.
00.9	99.9	89.9	1000.0	99.9	0.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.4	9.8	705.8	674.0	29.7	6.5	317.1	3.7	-2.7	-2.5	305.0	325.1	7.2	26.7	0.7	222.
1.5	10.9	514.5	950.0	27.7	5.9	29.2	6.0	-2.9	-5.2	305.3	326.5	7.6	30.8	0.4	225.
2.5	13.3	711.7	925.0	25.7	7.5	46.0	8.5	-6.1	-5.9	305.5	326.5	7.1	31.5	1.2	226.
3.4	15.7	1011.7	900.0	23.6	7.5	84.4	9.3	-6.2	-5.5	305.9	326.5	7.2	35.5	1.5	226.
4.2	19.1	1245.4	975.0	21.2	7.9	54.4	7.4	-6.0	-4.7	305.4	327.2	7.6	42.1	2.2	227.
5.1	20.5	1404.8	840.0	18.8	7.6	54.0	8.5	-7.9	-5.0	305.4	327.5	7.7	48.0	2.6	228.
5.8	23.9	1762.0	525.0	16.2	6.6	49.4	7.4	-5.9	-4.1	305.7	327.0	7.6	57.9	3.0	229.
6.7	25.5	2021.0	600.0	12.7	9.3	43.6	6.7	-3.6	-3.8	305.9	326.8	7.5	65.6	3.2	226.
7.5	29.0	2249.4	775.0	11.1	8.0	46.7	5.9	-3.4	-3.4	305.4	327.0	7.4	70.5	3.7	220.
8.4	30.9	2452.5	753.0	8.2	5.4	49.0	6.9	-7.1	-4.5	305.4	326.8	7.7	64.0	4.0	228.
9.4	33.4	2642.2	725.0	6.7	-5.0	50.1	6.0	-6.8	-4.2	305.9	317.7	7.7	43.4	4.5	228.
10.7	36.2	3129.3	700.0	5.7	-9.6	57.1	9.0	-8.2	-3.5	304.4	316.7	7.6	32.2	5.1	230.
11.4	39.1	3425.2	675.0	3.9	-14.6	69.2	9.6	-9.0	-3.4	310.1	315.7	7.8	24.3	5.7	232.
12.9	41.9	3712.0	650.0	2.4	-14.9	76.5	9.8	-9.4	-2.3	311.7	317.4	7.8	26.5	6.3	234.
14.3	44.9	4017.3	625.0	0.1	-19.9	77.4	7.1	-9.1	-2.0	312.5	317.4	7.3	20.5	7.0	237.
15.5	49.0	4377.2	600.0	-1.9	-24.3	83.4	9.0	-9.0	-0.9	314.0	316.9	7.9	15.9	7.6	239.
16.9	50.0	4710.8	575.0	-3.5	-25.6	89.7	8.2	-9.1	1.2	315.2	318.4	8.9	14.7	8.2	241.
19.3	54.2	5041.0	550.0	-5.1	-21.3	111.0	9.5	-9.2	3.4	319.1	319.8	8.5	16.4	8.7	244.
19.7	57.4	5425.0	525.0	-7.7	-32.1	123.3	11.0	-9.2	0.1	319.7	321.4	8.5	11.6	9.3	246.
21.5	60.9	5907.1	500.0	-9.4	-32.4	122.2	11.4	-9.7	6.1	321.2	322.9	8.5	13.7	10.0	254.
23.0	64.3	6194.6	475.0	-12.9	-29.6	124.1	10.1	-9.3	5.6	322.0	325.4	8.0	24.5	10.7	258.
24.6	67.9	6405.4	450.0	-15.5	-21.3	120.1	7.0	-6.1	3.5	323.7	328.8	8.5	61.1	11.3	261.
25.2	71.4	7035.7	425.0	-18.9	-29.9	105.4	3.2	-7.1	0.9	324.2	327.4	8.7	27.0	11.7	263.
29.1	75.3	7644.2	400.0	-22.2	-37.7	146.0	2.0	-1.1	1.7	326.1	327.5	8.4	22.8	11.9	263.
29.9	78.4	7655.4	375.0	-25.4	-40.8	117.2	1.3	-1.1	0.6	327.5	328.5	8.3	22.7	11.9	264.
31.8	83.3	8451.2	350.0	-26.8	-44.8	35.8	2.4	-1.4	-2.0	328.6	329.2	8.2	21.5	12.0	264.
31.7	87.4	8075.0	325.0	-37.7	-47.6	89.6	1.9	-1.9	-0.9	330.3	330.9	8.2	23.4	12.2	263.
35.7	92.0	8571.4	300.0	-46.2	-51.5	174.4	2.4	-0.1	2.4	331.4	332.0	8.1	23.0	12.3	264.
37.9	96.5	9173.2	275.0	-43.5	-59.6	214.4	1.7	0.6	1.4	332.5	332.5	8.9	95.5	12.1	265.
40.2	101.4	10755.3	250.0	-49.3	-69.9	317.5	1.3	0.0	-0.4	333.1	333.1	90.9	90.9	12.1	265.
42.9	107.0	11439.9	225.0	-54.1	-99.9	257.2	1.0	1.0	0.2	333.7	333.7	95.9	95.9	12.0	264.
45.4	112.6	12145.0	200.0	-56.0	-99.0	250.2	2.5	2.4	0.0	337.0	337.0	95.9	95.9	11.7	265.
49.3	119.4	13012.5	175.0	-62.4	-99.9	273.2	4.2	4.2	-3.2	346.3	346.3	95.9	95.9	11.2	265.
51.3	125.5	13940.3	150.0	-64.0	-95.6	334.7	4.9	2.0	-6.3	350.4	350.4	99.9	99.9	10.6	261.
55.1	132.7	15092.8	125.0	-60.7	-99.9	256.3	1.4	1.3	-3.2	345.0	345.0	99.9	99.9	10.7	259.
59.4	139.7	16473.4	100.0	-62.6	-99.9	330.2	2.0	1.0	-1.7	446.9	446.9	95.9	95.9	10.6	258.
65.0	147.0	18253.9	75.0	-60.4	-99.9	335.2	4.1	0.3	-3.1	445.5	445.5	99.9	99.9	10.6	252.
72.5	154.5	20706.4	50.0	-57.9	-99.9	43.9	4.3	-5.7	-2.6	507.2	507.2	95.9	95.9	11.7	249.
75.4	162.1	24259.0	25.0	-50.0	-99.5	999.0	999.0	99.9	99.0	641.5	641.5	99.9	99.9	10.1	246.

BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION 471. 444
PROBABLE MAXIMUM

24 MAY 11:57
2300 GMT

100 100. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM ANGULAR PLATE VALUES

TIME MIN	CATC	REFLECT GMS	SPNS MS	TEMP DE C	DEW PT DE C	CLZ DS	SFCN W/SEC	U (KMP) P/SEC	V (KMP) W/SEC	M-T DE K	P-RT DE K	MS STD CM/ALB	MP PCT	RANGE NM	AZ DE
0.0	7.4	24.0	475.4	27.4	17.0	110.0	5.2	-0.0	1.4	302.2	330.0	13.4	55.0	0.0	0.0
0.5	09.0	09.0	1000.0	09.0	09.0	09.0	7.4	19.0	09.0	79.9	994.0	09.0	09.0	09.0	09.0
0.2	9.2	130.0	075.0	28.0	10.7	320.0	10.2	1.4	-7.4	303.7	301.7	14.1	55.7	0.0	237.0
0.0	10.2	072.0	090.0	27.6	19.3	19.2	0.0	-3.0	-3.2	304.2	302.0	14.1	55.9	0.0	206.0
1.4	12.1	74.0	025.0	24.0	15.2	16.0	0.1	-7.0	7.6	304.7	339.1	12.7	50.9	0.7	276.0
2.0	14.3	1007.0	002.0	22.0	14.2	16.0	0.9	-5.0	7.0	304.9	334.4	12.7	45.3	1.0	295.0
2.0	15.7	1257.0	075.0	19.3	14.6	160.0	10.0	-0.4	7.7	303.9	330.6	12.1	70.2	1.6	303.0
4.5	18.5	1401.5	050.0	17.0	14.3	147.1	4.0	-5.4	7.1	303.9	327.0	12.2	44.3	2.1	308.0
4.5	20.4	1744.1	025.0	15.0	13.0	140.7	4.0	-0.2	7.5	304.4	319.0	11.5	47.6	2.6	312.0
4.0	22.9	1914.3	000.0	13.0	10.7	157.7	0.2	-3.5	8.5	305.2	337.0	10.2	84.1	3.0	315.0
7.0	24.2	2242.0	775.0	10.4	8.4	164.2	0.7	-2.7	9.3	305.2	330.1	9.0	84.2	3.5	316.0
4.0	27.5	2544.0	750.0	0.4	5.4	140.4	10.4	-1.3	10.5	305.3	327.4	7.7	41.4	4.2	324.0
0.7	28.0	2635.0	725.0	7.3	-0.0	170.2	11.0	-1.4	10.4	307.5	321.9	6.0	80.1	4.9	328.0
10.4	32.3	3125.0	000.0	5.4	-3.7	170.6	10.9	-1.0	10.7	309.4	320.7	4.2	82.6	5.5	321.0
12.0	34.0	3420.1	475.0	2.4	-7.9	175.0	10.5	-0.3	10.5	309.4	320.9	4.3	63.3	6.2	333.0
17.2	37.2	3728.7	650.0	1.0	-10.0	177.2	10.4	-0.5	10.6	310.1	314.5	2.0	43.6	6.3	336.0
14.5	40.0	4030.0	675.0	-1.0	-16.0	169.7	11.3	-2.0	11.1	311.3	316.0	1.0	26.6	7.7	336.0
15.4	42.6	4344.7	402.0	-1.3	-24.4	165.0	10.7	-2.4	10.7	314.7	317.0	0.9	15.1	9.6	339.0
17.1	45.3	4702.2	575.0	-4.0	-40.0	175.2	11.2	-0.0	11.3	315.3	320.5	1.0	24.8	9.5	336.0
18.5	45.4	4841.2	540.0	-4.0	-13.4	184.5	11.4	7.0	11.4	315.9	323.6	2.5	59.0	10.3	342.0
19.4	41.0	5413.4	575.0	-10.0	-11.5	200.4	13.5	0.0	12.1	315.0	328.2	3.0	75.8	11.1	348.0
21.1	46.1	4792.2	550.0	-10.0	-17.9	202.4	13.0	5.4	11.9	323.9	329.1	2.2	65.1	11.9	346.0
22.0	57.1	6144.6	475.0	-12.3	-16.0	202.4	10.0	4.1	10.0	322.7	329.7	2.2	45.1	12.7	351.0
24.2	40.4	4404.0	450.0	-14.3	-10.1	191.7	11.4	2.4	11.4	324.7	330.0	1.5	45.9	13.7	352.0
25.4	43.0	4624.0	475.0	-17.9	-27.4	160.4	13.4	2.1	12.3	326.1	330.0	1.4	41.8	14.8	354.0
27.5	47.1	4678.4	400.0	-21.9	-29.9	145.2	12.4	5.3	11.0	337.5	331.1	1.1	55.7	16.0	359.0
20.2	70.7	7072.0	375.0	-20.0	-31.0	144.2	12.0	2.0	11.4	339.8	331.3	0.7	82.1	17.2	357.0
31.3	74.4	8051.4	400.0	-28.3	-77.5	192.0	12.9	2.3	12.5	330.7	332.5	0.5	47.7	18.7	350.0
33.0	74.5	8074.0	375.0	-32.5	-45.7	187.5	10.5	1.4	10.4	331.0	333.3	0.4	40.1	20.2	360.0
34.0	92.4	9534.5	300.0	-37.0	-45.7	187.5	11.1	7.4	10.0	333.1	334.1	0.2	40.1	21.7	0.0
39.2	04.4	10137.0	275.0	-42.0	-40.0	202.4	10.7	4.5	10.4	334.4	334.4	0.6	09.0	23.3	1.0
42.5	01.4	10770.7	250.0	-47.1	09.0	210.4	10.7	4.1	9.4	336.0	334.4	0.6	09.0	24.6	3.0
47.4	04.5	11455.7	225.0	-57.5	09.0	212.1	12.0	0.2	10.1	336.5	334.4	0.6	09.0	25.0	5.0
49.4	101.4	12204.7	190.0	-60.0	09.0	212.1	12.4	7.5	11.0	340.0	334.4	0.6	09.0	27.7	7.0
47.4	107.4	12024.7	170.0	-66.7	09.0	210.4	12.1	4.7	9.4	340.3	334.4	0.6	09.0	28.1	12.0
51.4	114.7	12047.0	150.0	-63.4	09.0	230.2	9.4	4.8	2.0	343.0	330.0	0.9	09.0	23.7	14.0
55.0	171.7	15047.4	125.0	-61.0	09.0	230.2	9.4	09.0	09.0	412.4	334.4	0.6	09.0	09.0	09.0
61.4	113.0	14490.7	100.0	-69.7	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0
00.0	09.0	09.0	75.0	99.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0
00.0	09.0	09.0	50.0	99.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0
00.0	09.0	09.0	25.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 117
 OFODIA, ILLINOIS

 24 MAY 1977
 2300 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

157 23. 1

TIME MIN	CNTCT	WEIGHT GPM	PRES PS	TEMP FG C	DEW PT FG C	DIR NG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	INT Y DG K	F PCT Y DG K	PR RTO GPM/KG	PT PCT	RANGE KM	AZ DG
0.0	7.5	200.0	980.5	31.7	12.5	59.0	1.2	11.5	-2.1	405.2	311.5	9.7	31.0	0.0	0.
90.0	92.0	92.0	1002.0	30.0	92.0	92.3	92.7	92.9	92.9	49.9	999.0	55.9	55.5	999.9	999.
0.6	4.8	142.2	575.0	30.4	7.8	128.1	7.0	-1.5	1.2	305.4	325.1	6.3	24.4	0.4	237.
1.4	11.0	572.8	550.3	27.7	4.4	77.5	5.1	-5.0	-1.1	305.1	323.2	6.4	25.0	0.5	245.
2.4	13.7	727.7	525.0	25.4	6.4	75.6	6.7	-6.5	-1.7	305.3	324.0	6.6	25.0	0.5	245.
3.2	15.5	1017.5	900.7	23.1	7.4	81.8	6.9	-6.9	-1.0	305.3	325.9	7.3	36.9	1.2	231.
4.1	17.0	1241.0	875.0	20.7	7.7	84.6	6.4	-6.4	-0.4	305.3	326.2	7.6	42.9	1.5	235.
5.0	22.2	1511.0	850.0	18.6	7.9	81.5	6.3	-6.2	-0.9	305.6	327.7	7.6	45.9	1.9	234.
6.1	22.7	1787.0	825.0	16.1	6.9	79.2	6.7	-6.4	-1.3	305.5	327.9	7.6	45.9	1.9	234.
7.1	25.2	2017.8	800.0	13.4	5.0	79.2	7.2	-7.1	-1.3	305.5	327.9	7.6	45.9	1.9	234.
8.3	27.4	2184.4	775.0	11.1	5.6	82.1	6.9	-6.7	-0.9	305.9	326.3	7.2	77.2	3.7	258.
9.5	30.2	2497.6	750.0	8.4	4.9	85.7	7.1	-7.1	-0.6	305.9	326.3	7.2	77.2	3.7	258.
10.5	32.9	2847.5	725.0	5.4	3.5	90.4	6.1	-6.1	0.0	305.5	325.0	6.5	78.2	4.1	255.
11.4	35.5	3155.7	700.0	3.3	2.0	108.0	4.7	-6.4	1.5	309.6	321.2	4.4	44.6	4.3	261.
12.4	39.1	3451.4	675.0	3.5	-5.9	128.3	4.2	-7.3	2.4	309.6	320.4	3.6	50.0	4.7	247.
13.7	40.7	3744.9	650.0	1.2	-8.2	134.0	3.9	-2.8	2.7	310.3	315.0	3.2	49.4	4.9	265.
14.9	43.5	4071.7	625.0	-1.0	-11.8	137.4	2.5	-1.3	1.7	311.4	315.0	2.5	43.6	5.0	267.
16.2	46.4	4355.7	600.0	-2.9	-19.7	118.0	4.0	-4.0	2.2	312.7	317.1	1.4	27.1	5.2	268.
17.6	49.4	4732.8	575.0	-5.4	-26.4	120.3	4.4	-5.7	3.3	315.0	318.5	0.7	14.1	5.7	271.
19.0	52.4	5082.5	550.0	-8.5	-32.4	129.4	5.7	-4.4	3.6	317.6	315.6	0.6	12.0	6.1	273.
20.4	53.3	5467.1	525.0	-6.0	-29.6	151.4	5.1	-3.0	4.8	321.2	323.3	0.6	12.4	6.4	276.
21.9	56.4	5827.0	500.0	-0.1	-20.5	165.4	4.1	-3.4	5.0	321.0	324.0	0.5	15.6	6.7	260.
23.7	61.7	6221.4	475.0	-12.4	-12.5	176.7	6.4	-4.4	4.6	323.5	324.2	0.5	14.6	7.1	252.
24.7	65.0	6472.2	450.0	-15.5	-16.0	172.2	6.4	-5.1	3.9	323.7	325.1	0.4	15.2	7.6	245.
26.4	69.3	7040.9	425.0	-18.7	-14.5	174.4	5.7	-7.9	4.1	325.0	326.1	0.2	15.5	8.2	266.
29.0	71.7	7509.0	400.0	-22.2	-19.3	186.6	4.8	-2.5	4.2	326.1	327.2	0.3	15.2	8.6	256.
33.9	75.8	7940.4	375.0	-26.0	-17.6	174.3	2.7	-0.2	2.7	317.2	324.5	0.7	23.2	9.5	291.
31.7	79.4	8475.6	350.0	-20.6	-17.2	65.1	0.9	-0.9	-0.4	328.9	330.4	0.4	47.5	8.9	251.
33.5	83.3	9070.9	325.0	-33.5	-42.4	104.4	0.4	-0.4	0.2	330.6	331.6	0.3	25.0	8.9	291.
35.4	87.3	9554.9	300.0	-18.9	-47.1	202.4	0.7	0.3	0.5	330.6	331.3	0.2	41.1	8.5	251.
37.9	91.9	10148.1	275.0	-41.7	99.4	125.1	2.4	-2.0	1.3	332.0	995.9	99.9	955.9	9.1	251.
40.1	96.7	10741.0	250.0	-48.4	99.9	184.7	2.7	0.2	2.3	334.0	995.9	55.9	955.9	9.4	252.
42.6	101.2	11454.8	225.0	-54.2	99.9	250.6	2.8	2.7	0.4	335.4	999.9	99.9	955.9	5.7	254.
44.9	106.4	12113.0	200.0	-59.7	99.9	320.4	6.1	3.9	-4.7	338.3	995.9	99.9	955.9	8.0	293.
47.8	112.3	13041.0	175.0	-62.6	99.9	315.2	5.2	3.6	-3.7	346.0	995.9	99.9	955.9	7.8	250.
51.3	119.4	14321.2	150.0	-62.5	99.5	328.7	2.6	1.4	-2.2	362.5	995.9	99.9	955.9	7.2	286.
54.4	126.0	14175.9	125.0	-59.1	99.9	291.1	1.2	1.1	-0.4	344.0	999.9	99.9	955.9	7.2	244.
60.2	149.3	14517.2	100.0	-61.0	90.5	324.4	1.7	1.0	-1.4	410.0	999.9	99.9	955.9	7.0	285.
64.5	142.7	14700.6	75.0	-51.6	99.9	354.9	2.4	0.2	-2.3	433.7	999.9	99.9	955.9	6.9	280.
74.4	152.7	20447.8	50.0	-37.6	99.9	46.0	5.7	-6.1	-3.9	507.8	955.9	55.9	955.9	7.0	267.
99.0	167.0	25307.4	25.0	-51.2	59.9	79.5	10.7	-10.6	-1.9	637.5	995.9	99.9	955.9	14.5	286.

 * BY SPEED MEANS ELEVATION ANGLE BETWEEN 4 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 * BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 654
MURON, SOUTH DAKOTA

24 MAY 1977
2300 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

169 17. 1

TIME MIN	CNTCY	WEIGHT SDM	PPES MM	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GP/KG	RP PCT	RANGE NM	AZ CG
3.0	9.6	392.0	661.7	22.3	12.8	170.0	9.8	-1.7	9.7	299.8	327.6	10.4	55.6	0.0	0.
9.0	99.0	1030.0	1030.0	55.9	99.5	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
15.0	99.9	99.9	99.9	55.9	99.5	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
21.0	12.5	499.1	950.3	22.7	14.2	354.9	5.9	0.5	-5.9	300.2	329.2	10.9	58.7	1.2	349.
27.0	12.5	499.1	950.3	20.5	13.3	264.3	5.0	5.0	0.5	300.3	328.4	10.4	63.2	1.1	348.
33.0	14.9	844.8	900.0	18.0	12.7	167.9	14.1	1.9	14.0	300.1	327.9	10.3	71.1	1.4	352.
39.0	16.0	1208.0	875.0	16.7	13.0	201.4	17.9	9.0	17.2	301.2	330.5	10.9	78.9	2.2	359.
45.0	19.3	1455.4	850.0	14.0	12.3	201.4	17.5	6.4	16.3	302.9	331.9	10.7	86.4	3.6	5.
51.0	21.5	1709.7	825.0	13.4	10.1	200.7	16.6	5.9	15.6	304.1	330.1	9.5	94.2	3.8	0.
57.0	23.9	1949.6	800.3	13.2	1.2	201.1	14.3	5.1	13.4	305.2	329.0	6.6	71.6	4.4	10.
63.0	25.0	2194.0	775.0	11.4	6.1	204.5	13.3	5.5	12.1	306.0	327.5	7.6	65.8	5.0	12.
69.0	29.5	2509.4	750.0	9.5	1.4	204.0	14.2	5.8	13.0	306.9	325.2	8.7	57.0	5.6	13.
75.0	31.0	2760.2	725.0	7.9	-3.4	200.8	15.7	5.6	14.7	308.1	320.2	4.1	48.7	6.2	14.
81.0	32.5	3009.7	700.0	6.2	-7.4	200.1	14.6	5.0	13.7	309.4	318.0	3.2	37.0	7.1	15.
87.0	36.0	3374.1	675.0	4.2	-9.5	199.8	13.9	4.7	13.1	310.4	319.4	2.6	38.5	7.8	15.
93.0	39.7	3741.8	650.0	1.5	-10.0	200.5	12.1	4.3	11.3	310.7	319.0	2.7	41.9	8.5	16.
99.0	41.1	4004.6	625.0	-0.7	-12.7	197.8	12.4	3.8	11.8	311.7	318.8	2.3	39.5	9.1	16.
105.0	41.0	4261.4	600.0	-2.7	-13.3	190.0	11.8	2.1	11.7	313.0	320.0	2.2	43.7	9.7	16.
111.0	45.9	4648.2	575.0	-3.4	-10.6	134.7	13.7	1.1	13.7	315.6	324.7	3.0	59.0	10.4	15.
117.0	49.4	5009.5	550.0	-5.3	-12.3	194.2	14.9	2.4	14.7	317.9	328.3	2.7	57.6	11.2	14.
123.0	52.5	5372.5	525.0	-7.9	-14.2	157.4	15.5	4.6	14.8	319.1	326.7	2.4	55.6	12.2	15.
129.0	55.5	5730.5	500.0	-10.7	-15.2	158.4	16.4	5.2	15.5	320.5	327.9	2.3	67.4	13.2	15.
135.0	58.6	6107.4	475.0	-13.4	-16.5	194.4	16.3	4.1	15.8	321.4	328.5	2.2	72.7	14.3	15.
141.0	61.9	6489.4	450.0	-16.3	-15.1	190.2	16.3	2.9	15.0	322.7	328.8	1.9	75.2	15.4	15.
147.0	65.1	6861.0	425.0	-18.0	-27.6	199.4	15.8	2.3	15.6	324.2	329.6	1.5	72.7	16.4	14.
153.0	68.5	7270.4	400.0	-22.0	-27.1	198.4	17.4	2.5	17.2	326.4	329.9	1.0	62.7	17.7	14.
159.0	71.9	7693.1	375.0	-25.6	-31.2	186.2	20.7	2.2	20.2	327.7	330.3	0.7	56.0	19.2	14.
165.0	74.4	8092.2	350.0	-29.6	-34.5	183.3	22.9	1.3	22.8	329.2	331.2	0.6	60.4	20.7	13.
171.0	79.5	8493.9	325.0	-37.3	-38.5	182.5	24.9	1.1	24.8	330.8	332.3	0.4	58.4	22.5	12.
177.0	83.3	8893.4	300.0	-45.9	-44.4	180.9	27.9	0.4	27.9	334.0	335.7	0.2	35.7	24.9	11.
183.0	87.4	9297.7	275.0	-42.9	-59.9	176.9	25.9	-1.4	26.8	331.1	999.9	99.9	955.6	27.7	10.
189.0	91.8	9693.2	250.0	-48.7	-99.9	180.7	27.4	0.4	27.4	333.6	999.9	99.9	999.9	30.4	9.
195.0	95.4	10093.7	225.0	-54.4	-99.9	187.0	30.7	3.7	30.5	334.6	999.9	95.5	555.9	33.8	8.
201.0	101.4	10493.7	200.0	-60.7	-95.5	195.8	30.5	8.4	29.7	335.7	999.9	99.9	955.9	27.4	8.
207.0	107.0	10894.9	175.0	-60.3	-99.9	191.4	21.5	4.3	21.1	350.5	999.9	99.9	955.9	40.0	9.
213.0	113.3	11291.4	150.0	-64.0	-95.9	194.2	16.6	4.1	17.1	370.2	995.0	95.9	955.6	43.7	5.
219.0	116.7	11695.7	125.0	-57.3	-95.9	190.7	9.3	1.7	9.1	381.3	999.9	99.9	999.9	48.3	10.
225.0	123.3	12092.6	100.0	-58.4	-99.9	180.0	6.4	3.0	6.4	414.1	999.9	99.9	955.9	48.3	10.
231.0	127.3	12492.2	75.0	-60.6	-99.5	132.8	4.7	-3.4	3.2	445.8	999.9	99.9	955.9	48.3	5.
237.0	134.0	12894.4	50.0	-75.7	-99.7	113.2	5.3	-5.0	2.5	512.4	999.9	99.9	995.9	50.1	7.
243.0	144.5	20444.4	25.0	-50.5	-99.9	69.3	12.1	-11.4	-4.3	639.6	999.9	95.6	955.6	48.1	2.

BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

BY TEMP MEANS TEMPERATURE OF TIME HAVE BEEN INTERPOLATED

BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 662
RAPID CITY, SOUTH DAKOTA

26 MAY 1977
2305 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

146 34. 1

TIME MIN	CNTCY	HEIGHT GPM	PR'S MH	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP 1/SEC	V COMP M/SEC	POT Y DG K	E POT T DG K	PR RTO GPM/KG	RM PCT	RANGE KM	AZ CG
0.0	15.7	946.0	994.4	24.4	5.6	170.0	4.3	-1.4	8.2	307.0	326.8	6.9	32.0	0.0	0.
0.0	33.0	946.0	1000.0	52.9	99.9	59.9	99.9	59.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.0	00.0	946.0	946.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.0	00.0	946.0	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.0	00.0	946.0	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.0	00.0	946.0	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.0	17.7	1174.0	875.0	21.1	3.0	253.6	3.4	3.2	1.0	305.7	321.3	5.5	32.3	0.0	356.
1.0	20.2	1325.5	957.0	10.0	2.4	187.0	7.5	0.4	7.5	305.0	321.4	5.6	32.2	0.0	359.
2.0	22.5	1480.8	923.0	16.9	1.1	124.4	7.6	0.6	7.6	306.2	320.7	5.0	35.0	1.4	1.
3.0	24.1	1631.4	893.0	13.1	0.2	189.9	6.4	1.0	6.7	306.2	320.3	4.9	38.0	1.8	2.
4.0	27.5	1787.9	793.0	11.4	-1.2	201.4	6.2	2.3	5.6	306.1	319.2	4.5	41.4	2.2	4.
5.0	30.1	1940.5	750.0	9.1	-2.3	214.8	5.8	3.3	4.8	306.4	319.0	4.3	44.6	2.7	7.
6.0	32.2	2090.4	723.0	6.2	-4.4	232.6	5.2	4.1	3.1	306.3	317.4	3.8	46.4	2.9	12.
7.0	34.3	2237.4	703.0	4.1	-5.3	249.4	5.3	5.5	2.0	307.0	317.8	3.7	50.3	3.2	17.
8.0	36.2	2381.7	675.0	1.1	-6.4	259.8	7.0	6.5	2.3	306.9	317.3	3.5	52.1	3.4	24.
9.0	38.0	2533.0	650.0	-1.5	-7.2	269.7	4.6	7.5	2.5	307.2	317.4	3.4	55.5	3.8	29.
10.0	40.0	2684.4	625.0	-3.7	-9.5	270.2	10.8	8.3	6.9	309.2	317.1	2.0	54.1	4.4	32.
11.0	42.0	2835.4	600.0	-6.7	-10.6	221.0	12.5	8.2	9.5	309.4	316.7	2.9	71.6	5.2	34.
12.0	43.9	2986.4	575.0	-9.4	-14.3	210.7	14.9	7.5	12.7	310.1	315.6	1.8	50.7	6.2	35.
13.0	45.0	3137.4	550.0	-10.8	-16.5	202.9	14.7	5.9	13.4	311.3	316.4	1.6	52.6	7.4	33.
14.0	46.0	3288.4	525.0	-12.9	-21.5	202.7	15.1	5.8	13.9	313.0	317.1	1.3	48.1	8.6	32.
15.0	47.0	3439.4	500.0	-15.5	-23.3	200.6	14.8	5.2	13.9	314.2	316.4	0.7	25.2	5.7	31.
16.0	48.0	3590.4	475.0	-18.1	-27.7	202.6	13.7	5.3	12.7	315.3	318.1	0.9	43.6	11.0	30.
17.0	49.0	3741.4	450.0	-20.9	-29.3	205.2	14.2	6.2	12.7	317.2	319.7	0.7	46.0	12.2	29.
18.0	50.0	3892.4	425.0	-24.4	-37.0	209.1	13.4	8.0	14.3	317.7	319.6	0.5	44.5	13.7	26.
19.0	51.0	4043.4	400.0	-27.5	-35.5	209.1	12.1	8.3	19.4	319.3	320.9	0.5	46.1	15.5	29.
20.0	52.0	4194.4	375.0	-31.2	-40.1	203.7	22.7	11.1	25.4	320.4	321.5	0.3	46.6	17.7	26.
21.0	53.0	4345.4	350.0	-34.4	-45.6	206.4	33.5	13.8	30.5	322.3	323.1	0.2	34.6	20.4	27.
22.0	54.0	4496.4	325.0	-38.0	-50.9	200.4	34.5	13.4	36.1	324.2	325.9	0.2	95.5	25.3	25.
23.0	55.0	4647.4	300.0	-42.5	-55.5	195.4	42.1	11.2	40.5	326.5	326.5	0.9	99.9	34.4	23.
24.0	56.0	4798.4	275.0	-47.4	-59.5	189.8	48.1	6.7	43.6	329.5	329.5	0.9	99.9	40.4	21.
25.0	57.0	4949.4	250.0	-51.4	-63.9	182.6	42.2	1.9	42.2	329.5	329.5	0.9	99.9	45.5	18.
26.0	58.0	5100.4	225.0	-55.6	-68.5	175.4	35.0	-0.4	38.0	337.8	337.8	0.9	99.9	51.1	16.
27.0	59.0	5251.4	200.0	-59.8	-73.1	168.4	27.6	3.9	35.4	346.0	346.0	0.9	99.9	56.9	16.
28.0	60.0	5402.4	175.0	-64.4	-77.7	159.7	21.1	3.9	32.4	355.1	355.1	0.9	99.9	60.1	15.
29.0	61.0	5553.4	150.0	-69.1	-82.5	150.1	15.4	1.4	15.8	378.6	378.6	0.9	99.9	63.9	15.
30.0	62.0	5704.4	125.0	-73.8	-86.5	140.3	15.1	2.8	11.0	420.4	420.4	0.9	99.9	68.8	14.
31.0	63.0	5855.4	100.0	-78.6	-90.5	126.5	11.3	-2.6	7.3	449.2	449.2	0.9	99.9	70.3	13.
32.0	64.0	6006.4	75.0	-83.3	-94.0	108.3	7.0	-5.9	1.1	514.6	514.6	0.9	99.9	70.8	11.
33.0	65.0	6157.4	50.0	-88.0	-98.5	99.9	99.9	59.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 4 DEG

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Sounding Data

27 May 1977

1100 GMT

STATION NO. 229
CENTERVILLE, ALABAMA

27 MAY 1977
1113 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

180 14. 1

TIME MIN	CNTCT	WEIGHT GPM	PRES MM	TEMP DEG C	DEW PT DEG C	D19 DEG	SPEED M/SFC	U COMP W/SEC	V COMP M/SFC	POT T DEG K	E POT T DEG K	MX RTO GP/MG	RM PCT	RANGE KM	AZ DEG
7.0	4.7	140.0	907.5	15.1	15.8	50.0	3.6	-2.3	-2.3	291.9	323.2	12.2	52.0	0.0	0.
9.0	48.0	90.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.7	4.4	701.6	575.0	15.1	17.0	153.0	5.0	-2.3	4.5	293.4	326.2	12.7	53.4	0.3	263.
1.5	10.5	577.4	950.0	15.7	17.4	153.2	5.8	-3.3	4.9	296.2	331.1	13.3	52.3	0.6	269.
2.5	12.7	745.0	925.0	15.4	15.5	153.3	3.6	-1.1	3.7	294.3	332.4	12.9	57.3	0.8	304.
3.5	12.0	930.9	900.0	15.4	15.2	153.2	2.7	-1.0	2.0	300.5	333.2	12.2	81.8	0.9	310.
4.1	17.2	1232.4	875.0	15.7	13.9	235.2	0.5	0.4	0.3	301.1	331.8	11.4	63.1	1.0	311.
4.9	19.4	1479.4	870.0	15.1	10.8	14.9	0.3	-0.1	-0.1	302.0	328.2	9.6	78.5	0.9	311.
5.8	21.9	1712.3	871.0	13.3	8.9	49.6	0.3	-0.2	-0.2	302.6	326.5	8.7	74.6	0.9	309.
6.8	24.2	1991.7	800.0	11.0	7.8	126.3	0.3	-0.3	0.2	302.9	326.9	8.3	75.8	0.9	309.
7.4	25.4	2248.8	775.0	10.0	6.5	137.9	0.7	-0.4	0.5	304.6	327.1	8.1	71.1	1.0	309.
8.5	29.9	2430.1	730.0	8.5	4.3	233.4	0.3	0.3	0.2	305.8	325.5	7.0	75.0	1.0	310.
9.4	31.6	2608.8	725.0	6.5	1.6	316.2	0.9	0.6	-0.7	306.5	323.6	6.0	71.2	1.0	310.
10.5	34.2	3094.0	703.0	4.3	0.2	322.6	2.0	1.2	-1.6	307.2	323.2	5.6	75.2	0.9	308.
11.4	36.7	3702.0	675.0	3.1	-2.2	316.9	3.1	2.1	-2.2	309.1	323.2	4.9	82.5	0.7	306.
12.4	39.4	3697.5	650.0	1.7	-7.5	318.1	3.6	2.4	-2.7	310.9	321.1	3.4	81.6	0.9	302.
13.4	42.0	4012.8	620.0	-0.3	-4.2	330.0	3.7	1.9	-3.2	312.1	325.4	4.5	74.6	0.3	286.
14.7	44.9	4378.5	600.0	-2.1	-5.8	327.1	4.5	2.5	-3.9	313.1	325.4	4.1	78.4	0.2	216.
15.4	47.4	4673.8	575.0	-4.0	-7.1	326.0	4.4	2.5	-3.6	315.3	327.1	3.9	78.9	0.4	179.
17.0	50.4	5023.0	550.0	-5.5	-10.9	335.0	5.3	2.2	-4.8	317.6	326.9	3.0	65.6	0.7	165.
18.2	53.6	5799.8	525.0	-7.6	-15.0	345.5	5.6	2.4	-5.0	319.3	326.5	2.3	65.0	1.1	162.
19.7	56.6	5744.4	500.0	-9.4	-17.8	330.5	5.9	2.9	-5.1	321.6	327.7	1.9	50.4	1.6	159.
21.0	59.9	4147.3	475.0	-12.1	-19.2	331.0	4.4	3.1	-5.6	323.0	329.2	1.9	66.1	2.1	152.
22.5	43.1	6474.5	450.0	-15.5	-20.1	339.2	6.3	2.2	-5.9	323.7	329.4	1.7	67.9	2.7	156.
23.4	64.3	7008.2	425.0	-16.2	-24.1	347.6	4.1	0.9	-4.1	325.6	329.5	1.3	56.8	3.1	157.
25.3	64.9	7459.5	400.0	-21.3	-26.6	350.9	3.5	0.6	-3.4	327.3	330.4	0.9	51.5	3.4	158.
26.9	71.3	7927.5	375.0	-25.1	-32.9	357	5.0	-0.5	-4.9	328.4	330.6	0.6	48.1	3.8	160.
28.4	77.0	8454.1	350.0	-28.1	-35.2	14.4	3.9	-1.0	-3.7	329.5	331.3	0.5	60.3	4.1	163.
30.2	80.4	8949.3	325.0	-33.4	-41.8	16.6	5.6	-1.6	-4.7	330.6	331.7	0.3	42.3	4.5	164.
32.1	84.9	9504.7	300.0	-38.8	-44.9	99.9	7.0	-2.3	-5.7	331.9	331.6	0.2	51.5	5.1	170.
34.2	87.9	10095.7	275.0	-43.8	-49.9	12.9	7.0	-1.5	-6.8	331.9	999.9	99.9	999.9	5.8	175.
36.2	92.4	10733.5	250.0	-49.2	-50.9	344.2	7.3	2.0	-7.1	333.0	999.9	99.9	999.9	6.6	175.
38.7	94.0	11410.4	225.0	-54.8	-54.9	345.2	6.7	1.4	-6.5	334.5	999.9	99.9	999.9	7.7	173.
41.7	102.0	12143.7	200.0	-59.5	-59.9	341.2	4.6	1.5	-4.4	336.6	999.9	99.9	999.9	8.5	173.
44.7	104.5	12920.4	175.0	-64.5	-59.9	323.7	5.3	3.1	-4.3	333.5	999.9	99.9	999.9	9.4	170.
47.7	114.3	13970.3	150.0	-61.8	-59.9	311.9	5.3	4.0	-3.4	350.1	999.9	99.9	999.9	10.2	167.
41.4	120.4	14047.7	125.0	-63.2	-59.9	295.9	7.9	6.9	-3.9	350.6	999.9	99.9	999.9	11.4	162.
52.0	124.0	14454.4	100.0	-61.7	-59.9	341.0	5.1	1.6	-4.8	408.6	999.9	99.9	999.9	13.2	157.
53.2	135.0	14142.4	75.0	-65.6	-59.9	29.6	2.4	-1.5	-1.9	435.4	999.9	99.9	999.9	14.0	158.
71.5	143.5	20492.4	50.0	-57.2	-59.9	74.6	5.4	-3.2	-1.4	508.9	999.9	99.9	999.9	14.5	163.
84.7	151.7	25157.7	25.0	-49.0	-59.9	106.0	4.3	-4.1	1.7	644.3	999.9	99.9	999.9	18.2	162.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 235
JACKSON, MISSISSIPPI

27 MAY 1977

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

159 10. 1

TIME MIN	CNTCT	HEIGHT GM	PROS MM	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	F POT T DG K	MX RTO GP/KG	RP PCT	RANGE KM	AZ DG
0.0	9.7	100.0	907.0	17.5	16.0	160.0	0.0	0.0	0.0	230.7	320.7	11.6	91.0	0.0	0.
0.9	99.9	99.9	1000.0	95.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	955.5	955.5	955.5
0.7	8.4	297.8	575.0	22.5	19.5	221.4	1.7	1.1	-1.3	297.9	336.3	14.0	78.2	0.2	336.
1.5	10.6	550.6	550.0	22.4	15.2	194.4	1.8	0.4	1.7	299.9	330.8	11.6	63.6	0.2	341.
2.4	12.9	752.2	525.0	20.4	12.8	175.4	1.7	-0.1	1.7	300.2	327.6	10.2	61.2	0.3	347.
3.3	15.7	940.0	900.3	18.7	15.6	217.6	1.5	0.4	1.2	300.4	334.3	12.5	82.0	0.4	350.
4.2	17.4	1230.4	975.0	15.4	12.5	271.0	1.7	1.7	-0.0	300.8	329.2	10.5	77.0	0.4	350.
5.0	20.1	1477.1	850.0	14.9	10.1	301.3	1.5	1.1	-0.9	301.8	328.9	9.2	72.0	0.4	350.
6.1	22.4	1732.9	825.0	13.4	9.9	284.4	1.2	1.1	-0.5	303.2	327.2	8.7	72.0	0.4	350.
7.0	25.0	1995.0	800.0	12.1	7.4	302.2	1.3	1.1	-0.7	304.0	326.6	8.1	72.1	0.4	350.
8.0	27.4	2254.9	775.0	10.4	6.5	289.9	2.6	2.4	-3.9	305.1	327.1	7.9	76.7	0.4	350.
9.0	30.1	2427.4	750.0	9.7	4.2	273.3	4.5	4.5	-0.3	306.1	323.6	6.9	72.2	0.6	350.
10.1	32.9	2607.5	725.0	7.2	99.5	281.7	5.0	5.8	-1.4	307.3	323.0	6.9	955.9	0.5	77.
11.1	35.5	2705.1	700.0	4.7	99.9	277.6	7.0	6.2	-3.2	308.9	323.0	6.9	955.9	0.5	77.
12.1	38.2	2837.6	675.0	3.9	-2.7	305.0	7.2	5.3	-4.2	309.3	323.0	4.8	72.2	0.6	350.
13.2	40.9	2937.6	650.0	1.7	-0.4	305.2	6.4	5.2	-3.7	310.3	323.0	5.7	72.2	0.6	350.
14.3	43.8	3012.8	625.0	-1.1	-1.5	305.6	4.8	3.9	-2.8	311.2	323.0	5.7	72.2	0.6	350.
15.5	46.8	3128.8	600.0	-1.4	-11.0	307.9	4.0	3.1	-2.4	312.2	323.0	4.8	72.2	0.6	350.
16.6	49.3	3275.9	575.0	-2.8	-16.0	319.4	5.3	1.5	-4.0	313.6	323.0	2.8	72.2	0.6	350.
17.8	52.9	3438.9	550.0	-7.6	-23.6	327.1	4.0	4.3	-6.7	316.7	323.0	1.9	72.2	0.6	350.
19.1	55.9	3598.4	525.0	-9.4	-26.5	325.5	9.2	5.2	-7.4	320.4	323.0	0.6	72.2	0.6	350.
20.5	59.0	3773.4	500.0	-9.1	-30.5	324.4	7.9	4.1	-8.7	321.9	323.0	0.6	72.2	0.6	350.
21.9	62.4	3948.1	475.0	-12.2	-40.5	324.4	7.4	2.9	-7.3	322.9	323.0	0.2	72.2	0.6	350.
23.4	65.9	4123.2	450.0	-14.3	-45.3	320.9	7.4	3.8	-6.8	324.7	323.0	0.1	72.2	0.6	350.
25.0	69.3	4298.9	425.0	-18.3	-40.1	316.1	7.1	4.9	-5.1	325.5	323.0	0.0	72.2	0.6	350.
26.4	72.7	4452.1	400.0	-21.2	-43.4	320.2	5.2	3.4	-4.0	327.5	323.0	0.0	72.2	0.6	350.
28.1	75.4	4591.1	375.0	-23.7	-43.4	320.2	4.7	2.3	-3.5	327.5	323.0	0.0	72.2	0.6	350.
29.9	80.5	4727.4	350.0	-25.6	-45.1	320.2	6.0	1.3	-3.5	328.4	323.0	0.0	72.2	0.6	350.
31.4	84.5	4851.0	325.0	-33.2	-44.2	325.2	6.9	3.9	-5.4	331.0	323.0	0.0	72.2	0.6	350.
33.5	89.4	4909.4	300.0	-37.6	-42.5	315.1	9.5	6.7	-6.7	332.4	323.0	0.0	72.2	0.6	350.
35.7	92.2	5010.4	275.0	-43.0	-42.5	315.1	10.4	8.4	-6.1	333.0	323.0	0.0	72.2	0.6	350.
37.9	95.7	5078.9	250.0	-49.1	-49.9	305.7	10.4	9.4	-6.1	333.0	323.0	0.0	72.2	0.6	350.
40.2	102.4	5149.4	225.0	-53.4	-49.9	295.4	10.4	9.5	-3.4	336.6	323.0	0.0	72.2	0.6	350.
42.9	109.0	5217.3	200.0	-59.7	-49.9	297.4	10.0	9.5	-3.4	336.6	323.0	0.0	72.2	0.6	350.
45.3	113.8	5295.3	175.0	-64.0	-49.9	297.4	10.0	9.5	-3.4	336.6	323.0	0.0	72.2	0.6	350.
48.9	110.5	5385.7	150.0	-62.8	-49.9	301.4	11.5	10.3	-6.6	336.6	323.0	0.0	72.2	0.6	350.
52.9	116.9	5485.9	125.0	-62.8	-49.9	306.0	11.5	9.2	-6.9	336.6	323.0	0.0	72.2	0.6	350.
57.4	124.9	5595.9	100.0	-63.6	-49.9	289.5	5.9	6.5	-2.3	342.7	323.0	0.0	72.2	0.6	350.
63.5	142.0	5717.5	75.0	-63.6	-49.9	289.5	4.8	6.2	-2.9	342.7	323.0	0.0	72.2	0.6	350.
71.3	150.3	5840.9	50.0	-59.5	-49.9	38.0	4.3	-2.7	-3.4	346.9	323.0	0.0	72.2	0.6	350.
81.0	159.8	5910.5	25.0	-51.7	-49.9	87.8	4.4	-4.6	-0.2	350.4	323.0	0.0	72.2	0.6	350.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 200
LAKE CHARLES, LOUISIANA

27 MAY 1977

1100 GMT

149 11. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN.	CNTCT	WIGHT GPM	PFTS W	TFMP DG C	DEW PT DG C	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PJT Y DG K	F POT Y DG K	M R TD GPM/KG	RM FCY	RANGE KM	AZ DG
0.0	9.3	5.0	1009.7	21.7	12.9	310.0	2.1	1.6	294.1	318.5	9.3	57.0	0.0	0.
0.3	9.0	45.4	1000.0	22.8	20.8	312.2	2.3	-0.3	290.0	337.1	15.9	68.8	0.0	113.
1.2	7.9	307.4	975.0	22.9	19.9	294.5	3.0	2.9	298.3	338.1	15.2	298.3	0.5	121.
2.1	10.0	94.4	940.0	22.0	17.9	282.7	3.2	3.1	293.6	335.9	13.7	77.2	0.7	126.
3.0	11.9	745.4	940.0	20.9	14.5	283.5	2.5	2.7	300.7	333.1	12.1	71.6	0.8	116.
4.1	14.0	1007.7	900.0	19.2	13.9	257.5	2.4	2.5	301.3	331.4	11.2	71.1	0.9	106.
5.1	14.9	1245.4	975.0	17.4	12.8	285.5	3.5	3.3	302.3	331.3	10.7	72.6	1.1	107.
6.0	18.1	1407.0	950.0	15.7	10.1	300.3	3.1	2.8	302.6	327.7	5.2	65.2	1.3	107.
7.1	20.7	1745.5	875.0	14.1	6.2	321.2	3.2	2.0	303.7	326.8	8.4	67.4	1.5	116.
8.2	22.5	2004.4	800.0	13.5	6.2	324.7	3.6	2.1	305.5	326.5	7.5	61.6	1.7	115.
9.2	24.7	2271.4	775.0	12.3	1.8	318.6	3.9	2.6	307.1	323.3	6.7	48.6	1.9	117.
10.4	26.9	2448.0	750.0	11.3	0.0	324.9	4.9	2.8	308.9	323.7	5.1	45.6	2.2	121.
11.4	29.3	2630.4	725.0	10.1	-4.2	336.0	7.0	2.9	310.5	322.1	3.9	36.4	2.5	125.
12.9	31.8	3122.0	700.0	9.7	-12.6	333.9	9.2	3.2	313.2	319.1	1.9	17.5	3.0	132.
14.0	34.3	3422.5	675.0	7.7	-6.2	333.4	11.2	5.0	315.7	324.6	3.6	37.6	3.7	137.
15.2	36.4	3771.9	650.0	5.1	-7.9	327.9	12.4	6.9	316.7	324.6	3.2	26.2	4.5	139.
16.4	38.2	4070.7	625.0	3.1	-12.9	327.9	13.1	6.9	316.0	323.1	2.3	29.7	5.5	140.
17.5	41.9	4370.1	600.0	0.3	-10.9	330.9	13.4	6.5	316.5	325.2	2.8	43.3	6.5	142.
19.0	44.4	4719.4	575.0	-2.6	-10.4	334.1	13.6	6.0	316.9	326.2	3.0	55.3	7.5	143.
20.4	47.1	5070.2	550.0	-6.2	-8.7	339.2	13.5	5.0	316.7	327.7	3.6	83.0	8.6	145.
21.7	50.2	5433.4	525.0	-9.2	-11.1	339.7	12.1	4.2	317.4	327.0	2.1	66.0	9.6	147.
23.1	53.0	5808.9	500.0	-10.8	-16.5	372.1	9.1	4.3	319.9	326.6	2.1	62.0	10.5	148.
24.6	55.9	6201.0	475.0	-13.6	-19.4	311.5	6.6	6.4	321.1	326.7	1.7	61.5	11.3	147.
26.2	59.0	6610.8	450.0	-15.5	-23.8	297.3	8.0	7.1	323.8	327.9	1.2	42.4	12.0	146.
28.0	63.7	7037.8	425.0	-18.6	-30.5	290.0	9.2	7.7	325.2	327.6	0.7	34.2	12.7	146.
29.9	65.7	7455.7	400.0	-21.4	-39.3	280.2	10.0	9.9	327.1	328.3	0.3	18.1	13.5	141.
31.7	59.0	7941.7	375.0	-25.3	-42.6	277.3	11.8	11.7	328.1	329.0	0.2	17.9	14.4	136.
34.4	72.4	8452.1	350.0	-29.0	-42.9	273.1	11.7	11.7	329.7	329.6	0.2	24.4	15.4	135.
35.5	76.3	8948.0	325.0	-33.6	-46.8	267.4	12.9	12.9	330.3	331.0	0.2	25.8	16.4	131.
37.6	80.3	9500.7	300.0	-38.1	-47.9	265.0	13.7	13.6	331.7	332.3	0.2	34.5	17.7	127.
39.0	84.3	10134.4	275.0	-42.3	-49.9	272.5	15.6	15.6	333.9	333.9	96.9	955.9	19.2	123.
42.4	94.5	10772.7	250.0	-46.9	-49.5	273.6	20.7	20.6	336.3	336.3	99.9	955.9	21.7	120.
45.1	93.4	11465.0	225.0	-52.3	-49.9	270.1	22.4	22.4	338.4	338.4	99.9	955.9	24.9	116.
47.7	99.2	12173.5	200.0	-58.2	-49.9	273.9	16.6	16.6	340.6	339.9	99.9	955.9	27.8	113.
50.6	103.5	13047.6	175.0	-63.9	-49.9	264.7	10.9	10.8	347.5	339.9	99.9	955.9	29.7	112.
54.1	109.5	14085.9	150.0	-65.5	-49.9	269.6	17.4	17.4	357.3	339.9	99.9	955.9	32.5	109.
54.0	115.8	15009.3	125.0	-64.0	-49.8	290.1	11.4	10.7	379.2	339.9	99.9	955.9	35.9	102.
52.9	123.0	14462.2	100.0	-66.0	-49.9	295.9	7.3	6.4	408.2	339.9	99.9	955.9	38.4	108.
49.4	131.0	15195.5	75.0	-66.2	-49.9	321.0	4.0	2.5	431.1	339.9	99.9	955.9	39.3	106.
77.1	139.3	20732.1	50.0	-59.5	-49.9	357.4	4.5	0.2	501.3	339.9	99.9	955.9	36.9	111.
59.0	149.0	25143.4	25.0	-50.6	-49.9	999.9	999.9	99.9	639.2	339.9	99.9	955.9	38.5	110.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN C AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 247
LONGVIEW, TEXAS
27 MAY 1977
1100 GMT

TIME MIN	CNCTY	HEIGHT GPM	PRCS MM	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MX RTO GM/AG	RM FCY	RANGE KM	AZ DEG
0.0	5.9	124.0	995.8	19.4	19.6	200.0	1.5	1.4	-0.5	292.5	328.1	13.7	55.0	0.0	C.
99.9	99.9	99.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9
0.7	9.0	309.1	575.0	23.7	19.4	140.0	2.5	-1.3	2.2	299.0	331.4	12.2	63.7	0.1	321.
1.5	10.3	534.5	550.0	22.7	19.9	150.8	2.5	-1.2	2.1	300.2	332.5	12.1	65.4	0.2	326.
2.4	12.5	743.4	925.0	21.1	19.5	161.3	1.2	0.0	1.2	300.9	331.2	11.3	65.9	0.3	329.
3.3	15.0	1065.1	903.0	18.3	13.0	280.0	0.9	0.8	-0.1	301.0	326.5	10.5	68.2	0.4	321.
4.3	17.2	1747.1	975.0	17.3	10.3	280.0	3.5	2.4	-2.5	331.7	326.5	9.1	63.8	0.3	343.
5.2	19.7	1424.5	950.0	15.3	12.3	326.4	6.5	3.6	-5.4	302.2	331.0	10.6	61.9	0.1	48.
6.0	22.1	1747.3	925.0	13.1	9.6	336.4	9.0	3.2	-7.3	303.5	327.5	9.2	75.4	0.5	146.
7.0	24.7	2004.0	900.0	11.3	7.0	335.9	6.4	2.7	-5.9	303.1	325.0	7.9	75.4	0.9	149.
7.9	27.1	2271.3	775.0	10.0	3.6	325.9	5.3	3.8	-4.6	305.5	323.6	6.4	60.6	1.2	131.
8.9	29.9	2544.5	750.0	9.6	0.0	315.8	5.0	3.4	-3.6	307.0	321.9	5.1	51.4	1.5	149.
10.0	32.6	2825.8	725.0	9.1	-0.9	308.3	5.4	4.2	-1.3	302.6	317.2	2.5	24.9	1.8	145.
11.1	35.3	3117.8	700.0	7.9	-3.5	290.5	6.1	5.4	-2.9	311.3	323.7	4.2	42.9	2.1	142.
12.2	38.0	3415.1	675.0	5.9	-3.2	280.9	6.6	9.4	-1.6	312.3	325.6	4.5	51.6	2.5	137.
13.2	40.7	3723.5	650.0	3.7	-2.6	271.5	11.7	11.7	-0.3	313.1	327.5	4.9	63.3	3.0	128.
14.3	43.6	4041.1	625.0	1.5	-4.2	265.3	12.8	12.8	0.2	314.1	327.5	4.5	65.7	3.7	120.
15.5	46.5	4749.8	600.0	-1.3	-6.1	270.2	12.3	12.3	-0.0	314.6	326.8	4.1	70.0	4.5	114.
16.7	49.5	4744.5	575.0	-3.9	-7.9	275.3	11.5	11.5	-0.7	315.5	326.6	3.7	72.5	5.3	111.
18.1	52.6	4054.9	550.0	-6.1	-10.4	270.3	12.1	11.9	-1.9	316.9	326.6	3.2	71.3	6.3	109.
19.5	55.6	5819.4	525.0	-8.1	-13.4	276.7	12.0	12.0	-1.4	317.5	325.6	2.6	70.6	7.2	107.
20.7	58.9	7793.7	500.0	-11.6	-15.8	265.1	10.4	13.4	0.2	318.9	325.0	2.2	71.4	8.1	106.
22.1	62.1	6186.6	475.0	-15.1	-17.6	257.5	8.9	4.7	1.9	319.3	325.7	2.0	81.2	8.5	104.
23.5	65.4	4997.8	450.0	-17.7	-21.3	244.9	9.1	4.2	1.9	321.0	326.1	1.5	72.4	9.4	102.
24.9	68.0	7019.7	425.0	-21.0	-25.0	232.0	10.1	9.6	3.1	322.0	326.2	1.3	72.5	10.1	99.
26.4	72.5	7464.2	400.0	-24.2	-30.5	256.9	10.3	10.0	2.3	323.5	326.1	0.7	55.9	11.0	97.
28.2	74.3	7932.3	375.0	-27.1	-35.1	251.5	7.0	4.5	2.9	325.4	326.5	0.9	65.0	11.9	95.
30.1	80.3	8424.6	350.0	-30.4	-38.2	250.3	9.5	7.0	3.2	327.8	329.4	0.5	62.5	12.9	91.
32.1	84.2	9045.6	325.0	-34.2	-41.0	245.9	9.6	8.6	4.1	329.6	330.8	0.3	45.6	13.9	91.
34.1	88.2	9605.6	300.0	-38.5	-45.5	242.6	11.2	9.9	5.2	331.1	339.9	99.9	95.9	15.0	85.
36.3	92.7	10054.7	275.0	-43.5	-50.9	229.4	9.1	6.9	5.9	332.2	339.9	55.9	95.5	16.3	87.
38.8	97.2	10729.8	250.0	-48.3	-56.9	217.2	9.2	5.5	7.3	333.5	339.9	95.5	95.5	17.1	84.
41.2	102.0	11413.5	225.0	-54.6	-63.9	231.0	10.9	4.5	6.9	334.9	339.9	95.5	95.5	18.3	80.
43.8	107.3	12160.2	200.0	-60.1	-69.9	209.3	7.2	3.5	6.3	337.6	339.9	95.5	95.5	19.5	79.
46.9	112.6	12946.7	175.0	-67.5	-75.5	224.8	15.2	11.1	10.4	345.1	349.9	95.5	95.5	20.5	75.
50.1	118.5	13630.0	150.0	-63.4	-63.9	291.7	11.4	11.0	-4.4	340.9	349.9	55.9	55.9	23.2	76.
54.3	124.0	14057.0	125.0	-65.1	-65.9	277.6	9.1	8.0	-0.8	340.1	349.9	55.9	55.5	25.1	75.
59.4	131.4	14427.8	100.0	-64.1	-65.9	208.7	5.9	4.5	-1.7	403.7	349.9	99.9	95.5	27.2	80.
64.1	137.0	15171.5	75.0	-66.1	-69.9	355.2	5.0	0.4	-5.0	436.3	349.9	55.9	95.5	28.1	73.
74.0	145.0	20677.3	50.0	-58.1	-95.5	79.6	7.2	-7.1	-1.3	506.5	349.9	99.9	95.5	24.8	62.
99.2	153.3	25110.4	25.0	-50.5	-99.9	999.9	999.9	99.9	99.9	639.8	349.9	99.9	99.9	21.0	56.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 255
 VICTORIA, TEXAS

 27 MAY 1977
 1100 GMT

105 11. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GM	PRES MD	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PIT T DG K	E POT T DG K	PX RTD GM/SEC	RM PCT	RANGE KM	AZ DG
0.0	5.3	31.0	1005.1	20.6	18.9	140.0	2.6	-1.7	2.0	293.3	325.0	13.8	90.0	0.0	0.
0.2	5.7	77.2	1002.0	22.2	20.9	224.5	4.9	1.6	3.5	293.4	326.4	12.9	92.3	0.3	34.
1.1	8.0	209.1	974.0	22.3	21.0	224.1	4.5	-1.5	4.5	297.6	326.0	16.3	92.2	0.5	2.
1.8	10.3	424.4	550.0	20.4	16.5	190.7	8.5	0.1	4.8	298.1	331.4	12.0	77.9	0.9	1.
2.4	12.5	754.4	925.0	21.8	16.5	174.6	8.8	-3.7	9.8	301.7	320.9	7.0	35.4	1.4	1.
3.5	15.1	907.7	990.0	20.5	16.2	163.6	8.2	-2.3	7.9	302.4	321.2	6.6	39.0	1.8	35.
4.6	17.4	1214.7	875.0	18.5	8.3	144.7	8.8	-1.2	4.2	303.0	324.8	7.9	51.4	2.3	35.
5.5	19.4	1484.6	850.0	18.0	2.8	165.6	7.4	-1.8	7.1	305.0	320.7	5.5	36.2	2.7	32.
6.4	22.1	1774.5	925.0	17.5	-6.0	143.7	6.5	0.4	5.6	307.1	315.9	3.0	15.6	3.1	32.
7.4	24.4	2001.4	800.0	16.7	-12.7	211.4	6.4	3.3	5.4	308.0	314.6	1.8	12.2	3.5	32.
8.4	27.2	2271.5	775.0	16.4	-27.3	250.4	3.9	1.7	1.3	311.9	313.7	0.5	3.4	3.7	35.
9.4	30.0	2542.9	750.0	16.0	-10.0	264.8	3.9	1.8	0.2	315.0	321.4	2.4	12.7	3.7	2.
10.6	32.9	2875.2	725.0	13.4	-6.8	264.5	4.2	4.2	0.4	318.1	323.8	3.2	23.8	3.7	6.
11.8	34.2	3170.5	700.0	11.3	-1.3	271.1	5.1	7.1	-0.1	315.0	324.9	5.0	41.0	3.7	11.
12.9	34.2	3473.2	675.0	9.2	-7.2	287.2	6.9	6.6	-2.0	315.9	325.4	4.5	41.2	3.8	17.
14.1	41.1	3744.5	650.0	6.4	-5.0	294.9	9.1	7.4	-3.4	316.2	328.5	4.1	44.0	3.9	25.
15.3	44.1	4084.6	624.0	3.4	-6.1	297.7	9.8	4.7	-4.6	316.4	328.2	3.9	45.4	3.2	35.
16.4	47.3	4394.4	600.0	0.3	-5.9	301.4	10.6	9.1	-5.5	316.5	328.9	4.1	45.0	3.0	44.
17.7	50.4	4714.1	575.0	-2.0	-6.5	304.4	10.3	9.5	-5.8	316.7	329.1	4.1	45.0	4.4	44.
19.8	57.4	5045.0	550.0	-5.7	-10.6	306.2	10.4	9.7	-5.4	317.4	326.8	3.0	66.6	4.4	64.
20.1	56.5	5449.3	525.0	-8.4	-11.9	300.2	10.8	9.3	-5.5	318.3	327.4	2.9	76.0	4.9	73.
21.5	59.9	5794.4	500.0	-11.8	-13.7	290.0	10.0	9.4	-5.4	315.7	327.0	2.6	85.2	5.4	75.
23.8	63.4	6215.9	475.0	-14.5	-20.3	273.2	9.5	7.4	-1.4	320.1	325.2	1.4	61.5	6.3	82.
25.2	66.9	6574.2	450.0	-16.3	-24.2	265.4	10.4	12.1	0.8	322.8	326.8	1.2	50.3	7.1	82.
27.5	70.4	7051.8	424.0	-19.7	-26.5	244.1	12.1	17.1	1.2	323.9	327.2	1.0	54.2	8.1	82.
29.3	74.3	7409.0	400.0	-22.9	-38.0	269.2	14.6	14.6	0.2	323.2	326.5	0.4	23.7	9.3	82.
31.0	78.3	7688.5	375.0	-27.0	-42.6	269.0	16.4	14.6	0.3	323.9	326.7	0.2	18.9	10.9	85.
32.5	82.3	8452.1	350.0	-31.1	-52.1	259.0	14.0	14.0	0.3	326.4	327.2	0.1	10.5	12.6	85.
34.4	84.5	8982.7	325.0	-35.4	-61.2	270.4	19.9	13.9	-0.2	327.8	327.9	0.0	5.2	14.7	86.
36.4	91.0	9434.4	300.0	-39.1	-72.3	271.4	22.5	22.4	-1.4	330.2	330.2	0.0	1.6	17.2	86.
38.3	95.7	10126.0	275.0	-42.9	-69.9	277.4	23.1	21.1	-1.5	331.2	329.9	99.9	99.9	19.9	88.
40.6	100.7	10747.9	250.0	-47.6	99.9	242.9	22.0	21.8	2.7	334.1	329.9	95.9	95.9	22.8	88.
41.1	103.0	11451.3	224.0	-53.1	99.5	247.5	24.1	24.0	1.0	337.2	329.9	95.9	95.9	26.2	87.
43.4	111.4	12201.0	200.0	-57.4	99.5	275.4	20.5	23.7	-2.3	341.9	329.9	95.9	95.9	29.7	88.
45.4	117.5	13033.3	175.0	-61.9	99.9	274.1	21.6	21.7	-2.3	347.9	329.9	99.9	99.9	32.0	88.
47.9	124.3	13984.9	150.0	-62.0	99.9	296.5	21.6	19.3	-0.6	350.2	329.9	99.9	99.9	37.6	91.
51.3	131.7	14104.7	124.0	-65.7	99.9	289.3	16.3	17.3	-4.4	371.0	329.9	95.9	95.9	41.6	92.
54.5	135.0	14471.8	100.0	-67.8	99.5	314.3	9.4	-4.1	-8.5	388.7	329.9	99.9	95.9	44.8	92.
56.4	145.7	14189.0	75.0	-65.7	99.9	74.4	2.8	-2.7	-0.5	433.1	329.9	99.9	99.9	45.4	92.
72.4	145.0	20691.2	50.0	-61.2	99.9	77.4	5.1	-5.0	-1.1	499.4	329.9	99.9	95.9	43.3	92.
85.9	144.0	25172.2	25.0	-52.2	99.9	99.9	99.9	92.9	92.9	634.7	329.9	99.9	99.9	40.4	99.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 760
STEPHENVILLE, TEXAS

27 MAY 1977

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

155 10. 1

TIME MIN	CNCT	WFTGT GPM	DEFS MR	TEMP DG C	DEW PT DG C	WIND M/SEC	WIND M/SEC	WIND M/SEC	POT T DG K	F PLT T DG K	MX RTO CM/KG	RM FCT	RANGE K4	AZ DG
0.0	9.5	300.0	552.0	21.0	17.5	170.0	2.4	-0.3	247.4	232.5	13.3	61.0	0.0	0.
0.5	9.9	100.0	90.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	00.0	07.0	075.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1.4	10.5	500.3	500.0	21.1	17.7	999.9	99.9	99.9	294.5	330.4	13.6	61.0	99.9	99.9
1.6	12.6	925.0	925.0	21.1	17.1	999.9	99.9	99.9	300.3	330.8	13.5	78.2	99.9	99.9
2.4	15.0	900.0	900.0	19.1	15.7	999.9	99.9	99.9	301.2	330.9	12.6	80.4	1.1	236.
2.2	17.1	1219.7	975.0	17.1	15.2	159.5	10.3	-3.5	301.6	330.5	12.6	89.0	1.6	237.
3.1	17.5	1447.3	940.0	15.0	12.5	157.2	3.8	-2.5	302.4	330.3	10.8	80.5	2.1	339.
4.0	21.7	1721.1	925.0	14.6	10.5	149.4	9.1	-1.5	306.0	331.3	10.0	78.4	2.6	240.
4.1	24.7	1721.4	900.0	14.1	8.6	202.4	7.5	2.9	306.2	330.7	8.8	66.5	2.0	342.
7.3	25.5	2250.1	775.0	14.7	2.8	238.5	8.9	7.6	309.6	327.1	6.1	44.8	3.3	351.
9.4	26.0	2455.9	750.0	13.6	-1.4	242.2	10.4	9.2	311.3	325.0	6.6	35.5	2.6	2.
9.6	31.6	2411.6	725.0	11.4	-2.7	243.3	10.7	9.6	311.9	324.8	4.3	37.3	4.0	11.
10.6	34.2	3107.4	700.0	8.8	-3.2	257.0	9.8	9.5	312.3	325.1	4.3	42.2	4.4	18.
11.4	34.4	3407.2	675.0	6.4	-2.5	275.5	10.2	10.1	312.8	325.4	4.4	49.1	4.7	26.
13.0	34.6	3712.1	650.0	4.3	-4.1	284.5	12.2	11.8	313.9	326.9	4.4	54.4	4.3	35.
14.3	43.1	4050.7	625.0	1.0	-5.4	286.4	13.9	13.3	313.6	325.9	4.1	62.1	5.2	42.
15.4	45.0	4355.8	600.0	-1.4	-7.6	287.1	15.0	14.3	314.5	325.4	3.6	62.8	5.9	55.
15.9	47.9	4654.5	575.0	-4.3	-9.1	285.8	15.8	15.2	315.0	325.1	3.7	66.9	6.7	63.
18.1	50.7	5042.9	550.0	-7.7	-11.6	285.7	17.6	16.9	315.0	323.8	2.9	72.6	7.7	69.
18.4	54.9	5407.9	525.0	-11.1	-14.7	283.8	20.0	19.4	315.0	322.3	2.3	74.9	9.0	75.
20.8	54.5	5776.0	500.0	-14.0	-15.4	276.1	20.0	19.0	315.0	321.7	1.8	65.2	10.5	76.
22.4	53.5	6161.4	475.0	-16.9	-20.2	260.6	20.5	20.2	317.2	322.3	1.6	74.9	12.4	81.
24.0	61.3	6548.6	450.0	-18.6	-19.6	245.8	20.7	18.9	319.9	325.6	1.8	51.8	14.3	76.
25.6	65.4	6938.2	425.0	-21.4	-23.4	238.4	22.2	19.1	321.5	326.0	1.4	84.0	16.3	72.
27.1	70.0	7417.4	400.0	-24.9	-25.5	230.4	22.1	19.2	322.7	326.4	0.5	36.2	18.2	75.
28.8	73.4	7807.6	375.0	-28.8	-28.2	217.6	22.9	20.5	323.5	324.6	0.3	32.4	20.4	74.
30.5	77.3	8197.5	350.0	-32.7	-27.4	206.5	20.1	19.4	324.7	325.2	0.1	21.1	22.7	73.
32.7	81.0	8611.0	325.0	-36.8	-25.3	189.2	19.1	17.7	325.9	326.2	0.1	20.2	25.6	73.
34.7	85.1	9040.7	300.0	-40.8	-20.9	170.7	19.9	19.5	327.9	326.9	99.9	95.9	27.2	73.
36.9	89.7	10047.4	275.0	-45.2	-20.0	152.9	19.2	19.0	329.9	326.9	99.9	95.9	29.7	74.
39.7	94.0	10670.2	250.0	-47.4	-20.0	134.4	19.4	18.3	335.3	326.9	99.9	95.9	32.8	75.
42.7	98.8	11340.4	225.0	-51.4	-20.0	115.1	19.5	19.5	339.1	326.9	99.9	95.9	35.9	77.
45.3	103.4	12127.9	200.0	-57.2	-20.0	95.9	19.7	19.0	342.3	326.9	99.9	95.9	38.2	77.
48.5	109.9	12900.5	175.0	-60.5	-20.0	77.1	19.7	18.7	350.0	326.9	99.9	95.9	40.8	76.
52.1	115.4	13614.4	150.0	-61.4	-20.0	59.9	19.4	19.4	353.6	326.9	99.9	95.9	44.8	78.
54.8	123.0	14047.3	125.0	-62.9	-20.0	42.5	19.4	15.7	341.2	326.9	99.9	95.9	49.0	82.
62.1	130.4	14608.1	100.0	-64.8	-20.0	26.1	8.1	6.5	400.7	326.9	99.9	95.9	52.4	82.
68.2	139.7	15145.9	75.0	-65.1	-20.0	10.0	3.5	1.1	436.4	326.9	99.9	95.9	55.8	84.
74.6	149.7	20445.8	50.0	-65.2	-20.0	5.5	7.0	-6.9	506.3	326.9	99.9	95.9	51.3	86.
93.8	159.8	25071.7	25.0	-61.0	-20.0	151.2	5.6	-2.7	637.8	326.9	99.9	95.9	43.4	86.

BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 241
DEL RIO, TEXAS

27 MAY 1977

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

162 11. 1

TIME MIN	CNTCT	WEIGHT GSM	REFS MM	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PWT T DEG K	E PWT T DEG K	MR RTO GM/KG	RM PCT	RANGE KM	AZ DEG
0.0	9.5	714.0	971.1	22.5	19.9	120.0	5.2	-1.5	2.6	248.1	238.1	12.2	25.0	0.0	0.0
0.9	80.0	99.9	1003.0	99.9	99.5	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
0.9	99.9	99.9	975.0	99.9	99.5	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
0.9	10.4	99.9	940.0	21.3	20.3	194.7	4.0	1.0	1.5	293.9	300.0	12.0	52.2	8.6	328.0
1.0	15.4	99.9	925.0	20.3	19.4	159.4	10.6	-1.7	10.0	300.1	301.2	15.6	54.0	1.0	322.0
2.7	16.4	99.9	900.0	19.4	19.5	164.6	10.4	-2.5	10.3	301.5	301.0	15.1	54.7	1.0	320.0
3.5	16.4	121.9	875.0	18.3	17.5	173.4	4.7	-1.0	9.6	302.4	301.9	14.6	54.7	2.2	326.0
4.9	17.4	1657.2	850.0	17.0	15.0	177.5	6.9	-3.4	9.4	303.3	303.7	12.8	88.4	2.6	340.0
5.9	21.4	1722.6	825.0	16.4	1.7	195.9	7.7	2.3	9.4	308.5	312.7	6.1	32.8	3.2	343.0
6.0	24.0	1887.4	800.0	19.7	4.5	217.2	10.4	4.5	4.6	312.7	311.5	0.6	26.7	3.6	350.0
7.4	24.4	2240.0	775.0	14.0	0.4	224.5	11.7	4.2	4.7	313.2	328.4	5.1	30.5	4.1	357.0
8.0	29.0	2599.7	750.0	14.4	-1.8	226.9	10.3	7.5	7.0	314.8	328.2	4.5	25.0	4.6	5.0
9.9	31.4	2827.1	725.0	14.0	-1.9	231.2	9.2	7.2	5.9	315.9	328.4	4.6	33.4	5.0	9.0
11.1	34.3	3121.5	700.0	11.2	-2.7	237.2	7.6	4.4	4.1	316.9	328.4	4.5	27.7	5.4	13.0
12.2	35.9	3471.8	675.0	7.7	-5.2	233.2	6.4	5.2	1.0	315.4	327.0	3.4	26.7	6.2	16.0
13.4	39.4	3774.6	650.0	4.2	-7.1	245.3	4.7	4.7	3.4	316.0	324.6	3.5	37.5	6.1	19.0
14.7	42.6	4044.0	625.0	3.6	-7.1	253.3	9.1	3.7	2.5	316.5	327.5	3.6	45.5	6.5	23.0
15.9	45.4	4324.5	600.0	0.4	-9.8	265.3	10.0	9.9	0.4	316.6	326.7	3.3	50.1	6.9	27.0
17.0	48.5	4724.2	575.0	-2.7	-10.5	271.5	10.5	10.4	-2.7	316.9	326.1	2.0	55.1	7.2	33.0
18.2	51.4	5074.8	550.0	-6.0	-10.8	269.2	12.0	12.0	0.2	317.0	326.4	3.0	68.6	7.7	38.0
19.6	54.4	5474.4	525.0	-8.9	-14.3	267.1	14.0	12.9	0.7	317.5	325.5	2.4	64.2	8.4	43.0
20.9	57.4	5817.4	500.0	-12.1	-21.7	275.0	14.2	14.2	-1.2	318.3	325.9	1.4	45.5	9.2	48.0
22.3	61.0	6164.4	475.0	-14.1	-42.7	293.0	15.0	13.9	-4.8	320.5	321.2	0.2	6.7	10.0	54.0
23.7	64.6	6514.4	450.0	-14.5	-59.2	303.5	15.7	14.0	-3.2	324.9	325.0	0.0	1.0	10.6	61.0
25.1	69.0	7055.0	425.0	-17.4	-41.1	300.4	17.2	14.9	-1.7	326.5	326.6	0.0	1.0	11.4	68.0
26.5	71.5	7457.7	400.0	-21.3	-43.5	301.4	14.5	15.9	-3.6	327.3	327.4	0.0	2.5	12.4	74.0
29.6	75.4	7957.7	375.0	-25.6	-54.5	301.5	14.4	15.4	-10.2	327.4	327.9	0.0	2.5	13.7	86.0
30.2	79.5	8453.2	350.0	-30.1	-59.6	307.4	15.4	16.6	-11.2	328.1	328.3	0.0	3.7	15.1	95.0
32.0	83.6	8957.4	325.0	-33.4	-41.4	312.7	21.5	15.4	-14.6	330.5	330.6	0.0	4.1	16.8	98.0
34.1	89.0	9454.2	300.0	-37.9	-43.5	307.9	21.7	17.1	-11.1	332.0	332.1	0.0	4.6	18.5	94.0
36.4	94.4	10177.5	275.0	-43.4	99.9	309.4	23.6	19.1	-15.1	332.6	332.6	99.9	999.9	21.5	100.0
39.4	97.4	10773.6	250.0	-48.1	99.9	312.4	24.0	17.7	-15.2	334.5	334.5	99.9	999.9	24.7	120.0
41.4	102.4	11480.0	225.0	-52.4	99.9	309.2	23.4	18.1	-15.4	337.5	337.5	99.9	999.9	27.4	108.0
44.2	109.4	12210.4	200.0	-57.2	99.9	297.3	27.4	24.5	-12.4	342.2	342.2	99.9	999.9	31.9	110.0
47.1	115.0	13000.4	175.0	-60.4	99.9	294.4	32.0	29.1	-13.3	349.4	349.4	99.9	999.9	37.7	110.0
50.4	121.0	14007.4	150.0	-63.4	99.9	302.0	26.1	22.1	-13.8	350.3	350.3	99.9	999.9	43.1	111.0
54.2	129.0	15100.6	125.0	-67.2	99.9	305.5	14.3	14.9	-10.6	350.5	350.5	99.9	999.9	48.2	113.0
58.9	137.4	16441.4	100.0	-66.6	99.9	306.9	9.1	7.4	-3.6	352.2	352.2	99.9	999.9	51.7	113.0
64.6	145.4	18149.4	75.0	-66.4	99.9	355.9	4.1	0.1	-2.3	433.7	433.7	99.9	999.9	53.4	114.0
73.0	154.5	20444.1	50.0	-61.4	99.9	70.9	7.2	-6.4	-2.3	498.4	498.4	99.9	999.9	52.2	116.0
95.7	164.0	25101.9	25.0	-49.7	99.9	999.9	999.9	999.9	99.9	641.7	641.7	99.9	999.9	48.7	120.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 265
MIDLAND, TEXAS

27 MAY 1977
1100 GMT

TIME MIN	CNTCT	HEIGHT CM	PRFS WG	TEMP DG C	DEW PT DG C	DIR CG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PST T DG K	E PCT Y DG K	MX RTO CM/KG	RM PCT	106 RANGE KM	9. 8 AZ DG
0.0	14.5	473.0	903.5	20.5	17.8	200.0	5.2	1.8	4.9	301.5	340.0	14.3	84.0	0.0	0.
0.0	90.0	90.0	1000.0	99.9	99.5	99.9	92.0	97.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.0	90.0	90.0	975.0	99.9	99.9	99.9	90.9	97.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.0	90.0	90.0	950.0	99.9	99.9	99.9	90.9	97.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.0	90.0	90.0	925.0	99.9	99.9	99.9	90.9	97.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	15.7	944.0	900.0	20.5	17.6	200.3	4.9	1.5	4.2	302.6	340.9	99.9	99.9	0.3	18.
1.2	17.5	1203.4	875.0	18.9	17.6	200.3	11.2	3.5	10.5	303.4	342.9	99.9	99.9	0.7	19.
2.2	19.9	1487.9	840.0	18.9	14.0	223.6	10.0	6.9	7.4	305.2	342.0	12.0	76.7	1.4	21.
3.3	22.1	1715.4	825.0	20.6	14.0	271.0	7.0	7.0	-0.1	310.3	335.0	8.7	46.6	1.8	33.
4.4	24.4	1931.7	800.0	19.5	4.9	295.4	5.1	4.5	-2.3	312.0	331.8	6.0	39.1	2.0	44.
5.4	26.4	2157.6	775.0	18.0	4.6	295.4	4.9	4.1	-1.8	313.2	323.5	7.0	41.7	2.1	52.
6.4	28.4	2372.0	750.0	14.6	2.5	241.2	4.9	4.4	-1.0	312.4	320.2	6.1	44.1	2.3	59.
8.0	32.0	2819.2	725.0	12.7	1.6	264.9	4.4	4.4	0.4	312.9	320.4	6.0	46.2	2.4	64.
9.2	34.7	3111.9	700.0	9.9	0.6	244.4	4.1	3.7	1.6	313.3	320.1	5.7	52.0	2.8	65.
10.4	37.1	3417.7	675.0	7.9	-0.4	234.5	4.9	4.2	2.5	314.5	320.5	5.4	54.5	3.1	64.
11.4	39.9	3722.7	650.0	4.7	-3.6	244.1	6.0	5.5	2.4	314.2	327.8	4.5	55.2	3.5	64.
12.4	42.5	4041.3	625.0	2.1	-6.2	256.2	8.8	6.6	2.1	314.0	326.5	3.9	54.2	4.1	45.
14.1	45.4	4425.0	600.0	-1.1	-9.0	259.2	12.0	11.8	2.2	314.4	324.7	3.2	55.2	4.9	67.
15.4	48.4	4707.0	575.0	-3.9	-9.7	255.8	15.5	15.1	3.8	315.4	325.1	2.2	64.0	5.6	65.
16.9	51.1	5056.4	550.0	-6.5	-14.5	242.4	19.0	18.2	5.7	315.3	323.4	2.3	62.9	7.4	70.
18.2	54.1	5417.7	525.0	-10.7	-14.8	250.3	17.4	17.4	3.3	317.2	322.5	1.7	46.1	9.0	71.
19.4	57.1	5784.4	500.0	-13.1	-15.9	281.2	21.3	20.9	-4.1	320.0	320.4	0.1	2.9	10.5	73.
21.4	60.4	6184.4	475.0	-17.6	-17.6	285.3	22.3	21.9	-3.6	324.7	325.1	0.1	2.6	12.1	77.
22.9	63.4	6597.2	450.0	-14.7	-14.8	285.3	19.2	18.5	-5.1	326.4	326.7	0.1	2.1	14.1	80.
24.7	66.9	7077.3	425.0	-21.7	-15.5	285.4	14.5	12.4	-5.0	326.7	327.1	0.1	4.0	17.8	86.
26.4	70.4	7548.4	400.0	-25.9	-15.5	290.4	20.1	18.4	-7.2	327.3	327.7	0.1	5.5	24.4	93.
29.2	73.9	8047.4	375.0	-30.3	-15.5	303.4	22.0	21.5	-12.1	328.0	330.2	0.1	9.8	22.0	91.
30.2	77.4	8447.4	350.0	-33.9	-15.5	308.5	26.1	25.1	-14.8	330.0	331.6	0.1	11.9	27.5	98.
32.1	81.5	8847.1	325.0	-38.2	-15.5	308.5	29.4	26.2	-17.2	331.6	331.6	0.1	99.9	31.1	101.
34.6	85.9	9247.1	300.0	-42.3	-15.5	308.5	31.4	26.2	-20.4	331.6	331.6	0.1	99.9	31.1	101.
36.4	89.9	9647.1	275.0	-46.3	-15.5	308.5	34.1	27.1	-23.1	331.6	331.6	0.1	99.9	31.1	101.
38.4	94.4	10047.1	250.0	-50.3	-15.5	308.5	37.1	28.1	-26.1	331.6	331.6	0.1	99.9	31.1	101.
41.2	98.2	10447.1	225.0	-54.3	-15.5	308.5	40.1	29.1	-29.1	331.6	331.6	0.1	99.9	31.1	101.
44.1	102.1	10847.1	200.0	-58.3	-15.5	308.5	43.1	30.1	-32.1	331.6	331.6	0.1	99.9	31.1	101.
47.3	106.1	11247.1	175.0	-62.3	-15.5	308.5	46.1	31.1	-35.1	331.6	331.6	0.1	99.9	31.1	101.
50.4	110.1	11647.1	150.0	-66.3	-15.5	308.5	49.1	32.1	-38.1	331.6	331.6	0.1	99.9	31.1	101.
53.4	114.1	12047.1	125.0	-70.3	-15.5	308.5	52.1	33.1	-41.1	331.6	331.6	0.1	99.9	31.1	101.
56.4	118.1	12447.1	100.0	-74.3	-15.5	308.5	55.1	34.1	-44.1	331.6	331.6	0.1	99.9	31.1	101.
59.4	122.1	12847.1	75.0	-78.3	-15.5	308.5	58.1	35.1	-47.1	331.6	331.6	0.1	99.9	31.1	101.
62.4	126.1	13247.1	50.0	-82.3	-15.5	308.5	61.1	36.1	-50.1	331.6	331.6	0.1	99.9	31.1	101.
65.2	130.1	13647.1	25.0	-86.3	-15.5	308.5	64.1	37.1	-53.1	331.6	331.6	0.1	99.9	31.1	101.
68.2	134.1	14047.1	0.0	-90.3	-15.5	308.5	67.1	38.1	-56.1	331.6	331.6	0.1	99.9	31.1	101.
71.2	138.1	14447.1	0.0	-94.3	-15.5	308.5	70.1	39.1	-59.1	331.6	331.6	0.1	99.9	31.1	101.
74.2	142.1	14847.1	0.0	-98.3	-15.5	308.5	73.1	40.1	-62.1	331.6	331.6	0.1	99.9	31.1	101.
77.2	146.1	15247.1	0.0	-102.3	-15.5	308.5	76.1	41.1	-65.1	331.6	331.6	0.1	99.9	31.1	101.
80.0	150.0	15647.1	0.0	-106.3	-15.5	308.5	79.1	42.1	-68.1	331.6	331.6	0.1	99.9	31.1	101.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN C AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LFSS THAN 6 DEG

STATION NO. 27
NASHVILLE, TENNESSEE

27 MAY 1977
1100 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

197 11. 1

TIME MIN	CNCTY	WEIGHT GPM	DEFS MR	TEMP DG C	DEW PT DG C	DIR DG	SPEC M/SEC	U COMP M/SEC	V COMP M/SEC	PJT Y DG K	E PJT Y DG K	MR PTO GP/KG	EM PCT	RANGE KM	AZ DG
0.0	7.9	180.0	900.4	14.1	15.8	300.0	0.0	0.0	0.0	292.1	323.6	12.3	92.0	0.6	0.
0.5	9.0	100.0	1000.0	00.0	00.0	00.0	99.9	0.0	99.9	99.9	995.9	99.9	995.9	999.9	999.9
1.0	9.2	315.2	875.0	19.1	14.1	234.1	14.7	12.5	7.4	234.6	329.8	12.6	92.7	0.4	292.
1.5	18.7	510.5	750.0	19.2	15.6	189.9	9.9	1.7	9.7	295.7	327.9	11.0	75.5	0.7	354.
2.0	14.1	745.9	975.0	17.6	14.5	170.3	6.6	-1.1	4.6	297.3	327.2	11.3	92.0	1.1	355.
2.5	14.6	1007.4	900.0	14.3	12.5	146.6	5.4	-3.2	4.9	299.0	327.5	10.1	75.7	1.4	352.
3.0	17.9	1248.0	975.0	15.6	11.6	127.9	4.0	-4.7	1.7	100.9	327.9	10.0	78.1	1.7	346.
3.5	23.2	1490.9	925.0	14.1	9.9	114.6	6.5	-5.9	2.7	100.9	325.6	5.1	76.1	1.9	338.
4.0	22.5	1742.0	825.0	13.2	6.8	101.8	6.0	-6.8	1.4	302.5	323.3	7.5	65.1	2.2	320.
4.5	25.1	2005.4	900.0	11.5	5.4	92.2	7.0	-7.0	0.3	303.4	323.1	7.1	66.4	2.5	323.
5.0	27.5	2245.8	775.0	10.2	4.9	90.5	4.3	-6.2	-1.0	304.5	324.	7.1	65.9	2.9	315.
5.5	30.1	2478.0	750.0	9.0	2.7	72.1	4.7	-6.3	-2.1	305.3	322.9	6.2	68.6	3.0	308.
6.0	32.5	2677.1	725.0	8.4	-0.1	64.7	7.2	-6.7	-2.6	305.4	320.8	5.2	65.6	3.3	302.
6.5	35.5	2817.6	700.0	5.9	-7.8	74.1	8.0	-7.9	-1.9	306.6	318.6	4.2	58.2	3.4	285.
7.0	38.2	2908.4	675.0	3.3	-13.7	79.5	7.4	-7.3	-1.4	109.4	314.4	2.0	27.4	4.1	291.
7.5	40.0	2968.4	650.0	2.9	-14.6	74.2	7.1	-6.9	-1.7	112.3	318.2	1.9	26.2	4.5	287.
8.0	41.9	3021.4	625.0	2.2	-20.1	78.2	9.2	-9.1	-1.7	115.0	319.0	1.2	17.4	5.0	287.
8.5	44.9	3360.5	600.0	0.4	-25.0	79.0	8.8	-8.6	-1.7	316.6	319.4	0.4	12.7	5.5	281.
9.0	50.0	3690.0	575.0	-2.2	-26.5	79.2	9.1	-9.0	-1.7	317.4	320.0	0.8	12.5	6.3	278.
9.5	52.0	5030.7	550.0	-4.3	-27.3	80.8	10.8	-10.9	-0.0	319.0	321.5	0.7	14.6	7.0	277.
10.0	55.8	5400.4	525.0	-7.1	-29.0	91.1	10.0	-10.0	0.5	319.9	322.1	0.7	15.5	8.0	276.
10.5	59.3	5787.1	500.0	-10.0	-30.2	88.3	10.2	-10.2	-0.3	320.8	322.9	0.6	16.7	8.9	276.
11.0	62.0	6174.0	475.0	-13.1	-31.0	75.7	8.4	-9.6	-2.2	321.7	323.5	0.5	16.9	9.3	275.
11.5	65.1	6585.7	450.0	-16.0	-35.5	59.6	7.9	-6.8	-4.0	323.1	324.6	0.4	16.7	10.6	273.
12.0	69.0	7017.6	425.0	-19.2	-37.6	50.5	5.5	-4.3	-3.5	324.4	325.7	0.3	17.7	11.1	270.
12.5	73.4	7442.1	400.0	-22.4	-35.2	34.1	4.1	-2.4	-3.3	325.4	326.9	0.4	26.5	11.4	245.
13.0	77.5	7911.8	375.0	-26.9	-37.6	55.4	3.7	-3.1	-2.1	325.0	327.5	0.4	35.6	11.7	267.
13.5	81.3	8426.1	350.0	-30.3	-42.7	44.1	3.8	-3.8	-0.4	327.9	328.8	0.2	28.2	12.2	247.
14.0	85.5	8949.2	325.0	-34.4	-43.9	74.1	4.1	-4.0	-1.0	329.2	330.1	0.2	37.4	12.6	267.
14.5	89.9	9507.6	300.0	-39.1	-46.4	61.8	3.0	-2.6	-1.4	330.2	330.8	0.2	36.4	13.1	246.
15.0	94.6	10087.9	275.0	-44.4	-49.9	47.4	1.5	-1.1	-1.0	330.9	330.9	56.9	955.5	13.3	265.
15.5	98.4	10722.9	250.0	-50.2	-57.6	30.4	2.2	-1.2	-1.9	331.4	331.4	99.9	955.5	13.5	254.
16.0	104.5	11402.5	225.0	-55.4	-59.9	35.2	4.1	0.5	-4.1	333.4	333.4	56.9	955.5	13.6	262.
16.5	110.7	12141.4	200.0	-62.5	-66.5	45.1	4.5	-3.7	-3.2	333.8	333.8	99.9	955.5	13.7	258.
17.0	118.0	12945.1	175.0	-65.6	-65.6	26.4	2.1	2.1	0.1	341.3	341.3	99.9	955.5	14.1	258.
17.5	127.5	13907.0	150.0	-61.7	-69.9	350.5	3.5	0.6	-3.5	340.8	340.8	99.9	955.5	13.9	256.
18.0	129.5	14077.9	125.0	-63.1	-69.9	15.1	2.7	-0.7	-2.4	340.4	340.4	99.9	955.5	14.3	254.
18.5	129.5	14077.9	100.0	-62.9	-69.9	329.8	4.4	2.5	-4.2	405.4	405.4	99.9	999.9	14.1	249.
19.0	136.9	16409.1	75.0	-63.1	-69.9	334.4	6.6	2.8	-5.9	440.9	440.9	99.9	999.9	13.1	248.
19.5	143.9	18171.7	50.0	-63.1	-69.9	49.7	6.2	-5.8	-2.2	507.9	507.9	99.9	999.9	18.5	243.
20.0	151.7	20706.4	25.0	-63.1	-69.9	99.9	999.9	99.9	99.9	641.1	641.1	999.9	999.9	24.0	245.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

00 BY 5000 MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 330
LITTLE ROCK, ARKANSAS

27 MAY 1977

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

155 17. 1

TIME MIN	CNTCY	WIND GPM	DECS °S	TEMP DG C	CFW DG C	DIR DG	SOFT W/SEC	U M/SEC	V M/SEC	COMP M/SEC	PHY DG K	F DG K	PR G/AC	EM PCT	RANGE KM	AZ DG
0.0	4.7	172.0	961.5	19.4	17.0	100.0	3.6	1.1	-1.6	233.3	323.4	12.4	26.0	0.0	0.0	0.
0.9	96.0	99.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.6	9.6	118.1	575.0	26.4	16.1	152.9	2.2	-1.0	0.0	292.7	331.5	11.0	40.0	0.3	0.3	102.
1.5	10.6	764.7	549.0	22.1	14.4	211.5	0.6	0.4	0.7	100.6	330.1	11.0	58.2	0.2	0.2	51.
2.4	17.0	777.5	925.3	20.8	12.9	185.4	0.4	0.0	0.4	100.6	328.0	10.2	60.0	0.3	0.3	88.
3.3	4.6	1014.1	600.0	15.7	11.9	175.4	0.7	-0.1	0.7	300.8	327.2	5.7	64.3	0.3	0.3	82.
4.3	17.7	1385.4	873.0	14.5	9.8	152.0	1.1	-0.1	1.1	301.0	324.7	6.7	64.3	0.3	0.3	71.
5.3	20.3	1501.5	830.0	14.1	8.7	150.2	1.4	-0.6	1.7	300.9	323.7	8.4	70.1	0.3	0.3	53.
6.3	22.6	1783.1	825.0	12.0	8.2	140.1	2.7	-0.4	2.1	301.3	324.1	8.3	77.2	0.3	0.3	32.
7.3	24.3	2010.5	803.0	9.9	7.6	130.7	1.4	-1.1	0.9	301.7	324.3	8.3	85.9	0.4	0.4	18.
8.4	27.9	2277.8	775.0	8.5	-0.7	41.9	1.4	-1.0	-1.0	303.0	316.4	4.7	52.4	0.4	0.4	11.
9.4	30.4	2566.6	750.0	7.0	-0.7	144.5	2.0	0.5	-2.0	306.1	316.0	4.1	45.4	0.3	0.3	15.
10.5	17.2	2777.4	725.0	5.1	-1.4	134.2	2.3	0.9	-2.1	105.1	312.2	3.5	52.2	0.2	0.2	76.
11.7	18.6	1732.1	700.0	4.1	-1.2	324.1	2.4	1.4	-2.2	107.0	324.0	5.9	52.2	0.2	0.2	76.
12.8	38.6	7434.9	675.0	2.9	-1.2	335.7	3.6	1.5	-1.3	103.8	323.8	5.2	74.0	0.3	0.3	116.
13.0	41.2	7705.7	450.0	1.4	-1.6	341.5	4.5	1.4	-4.3	310.8	322.4	3.6	58.5	0.6	0.6	136.
14.0	68.1	8025.0	625.0	-0.2	-7.4	742.7	6.7	1.4	-4.5	112.2	322.7	3.5	58.2	0.9	0.9	145.
15.2	87.1	8400.9	500.0	-2.0	-8.1	344.1	5.4	1.1	-5.3	117.9	322.5	3.2	58.2	1.2	1.2	151.
16.5	40.1	6687.4	475.0	-4.6	-12.0	340.6	5.4	2.1	-6.0	314.6	322.7	3.4	56.6	1.7	1.7	155.
18.4	53.0	6034.5	450.0	-6.1	-25.1	337.2	7.1	2.7	-6.5	314.9	319.9	0.9	20.4	2.2	2.2	156.
20.1	45.9	7350.4	525.0	-7.7	-23.1	341.0	5.7	1.9	-5.4	313.2	323.0	1.1	27.7	2.7	2.7	156.
31.4	59.1	8775.0	500.0	-10.9	-16.6	342.5	4.1	0.5	-4.1	310.8	324.7	2.2	45.8	2.1	2.1	157.
27.4	62.4	6149.7	475.0	-12.0	-24.4	341.5	7.1	-0.1	-2.1	322.0	326.0	1.2	40.9	3.3	3.3	159.
24.5	45.9	6570.4	450.0	-16.1	-27.7	291.9	1.0	1.7	-0.7	333.0	327.5	1.4	26.5	3.5	3.5	159.
24.1	49.1	7007.3	425.0	-19.1	-27.9	231.1	2.4	2.0	1.5	324.5	327.5	0.9	45.3	3.4	3.4	161.
27.4	72.6	7655.8	403.0	-21.0	-30.8	200.4	3.5	2.2	0.1	329.7	330.3	0.4	22.8	3.1	3.1	167.
29.7	76.7	8037.0	375.0	-25.7	-37.0	175.4	1.7	-3.2	0.1	329.7	330.3	0.5	50.0	3.1	3.1	168.
31.9	80.3	8431.8	353.0	-29.7	-36.8	267.0	2.2	3.2	0.1	329.7	330.3	0.5	45.7	3.4	3.4	176.
37.9	84.2	9049.0	325.0	-33.0	-41.3	14.2	4.5	4.5	0.1	370.4	331.5	0.3	46.2	3.6	3.6	176.
74.9	88.1	9501.9	300.3	-38.4	-45.6	282.0	3.2	1.1	-0.7	371.2	372.0	0.2	95.9	4.1	4.1	176.
74.9	87.9	10064.1	275.0	-43.0	-50.9	271.1	1.9	1.3	-0.1	372.5	369.9	0.9	95.9	4.5	4.5	176.
40.4	97.4	10771.4	250.0	-48.0	-56.5	244.4	3.4	1.5	1.5	376.7	369.9	0.9	95.9	4.5	4.5	176.
47.3	102.7	11414.1	225.0	-54.4	-60.9	231.4	2.0	1.5	1.2	376.2	369.9	0.9	95.9	4.7	4.7	176.
44.3	107.9	12149.7	200.0	-61.0	-64.9	200.4	2.4	1.5	-0.6	376.2	369.9	0.9	95.9	4.7	4.7	176.
49.7	117.3	12980.0	175.0	-64.9	-69.9	123.7	5.0	3.0	-4.0	347.1	369.9	0.9	95.9	5.4	5.4	176.
57.0	119.4	13021.4	150.0	-52.6	-69.9	284.1	7.4	7.1	-2.3	362.2	369.9	0.9	95.9	5.4	5.4	176.
77.7	126.7	14046.4	125.0	-62.8	-69.9	277.0	5.8	3.8	-0.7	381.4	369.9	0.9	95.9	5.4	5.4	176.
62.6	133.7	14421.4	100.0	-63.0	-69.9	341.5	3.9	0.4	-3.9	406.0	369.9	0.9	95.9	5.4	5.4	176.
49.3	141.3	14194.9	75.0	-63.4	-69.9	56.3	2.9	-2.4	-1.6	400.1	369.9	0.9	95.9	5.4	5.4	176.
74.0	149.0	7070.7	50.0	-58.1	-69.9	68.9	6.1	-3.7	-2.2	506.7	369.9	0.9	95.9	5.4	5.4	176.
92.2	157.7	25149.3	25.0	-49.4	-69.9	104.2	9.5	-9.1	2.9	643.2	369.9	0.9	95.9	5.4	5.4	176.

* BY SOFT MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 333
OKLAHOMA CITY, OKLAHOMA

27 MAY 1977

140 16. 1

ANGLES ON THE MAP MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	EDS MB	TEPP DG C	CEM PT DG C	319 DG	SPEED M/SEC	U CHPP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GM/KG	SP PCT	RANGE MM	AZ DG
0.0	9.9	732.0	965.1	16.1	15.0	310.0	4.2	1.2	-2.7	272.1	321.0	11.2	93.0	0.0	0.
0.0	9.9	90.0	1000.0	90.3	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	975.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	950.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	925.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	900.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	875.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	850.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	825.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	800.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	775.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	750.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	725.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	700.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	675.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	650.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	625.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	600.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	575.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	550.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	525.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	500.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	475.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	450.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	425.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	400.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	375.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	350.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	325.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	300.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	275.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	250.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	225.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	200.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	175.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	150.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	125.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	100.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	75.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	50.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	25.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.
0.0	9.9	90.0	0.0	90.9	99.9	99.9	99.9	99.9	99.9	45.9	955.9	955.9	955.9	559.6	995.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEND MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 263
AMARILLO, TEXAS27 MAY 1977
1100 GMT

142 8. 0

TIME MIN	CNTCT	WEIGHT GMS	PREC MM	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	F POT Y DG K	MX RTO GPM/KG	RH PCT	RANGE KM	AZ DG
0.0	15.4	1004.0	945.1	15.4	14.5	200.0	6.3	2.2	5.9	238.8	231.2	12.2	97.0	0.0	0.0
00.0	09.0	99.0	1000.0	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	09.0	99.9	975.0	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	09.0	99.0	950.0	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	09.0	99.0	925.0	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	09.0	99.0	900.0	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	09.0	99.0	875.0	15.1	14.3	203.5	11.7	4.0	10.6	299.5	311.0	11.8	94.9	0.3	19.0
0.3	17.4	1131.4	850.0	13.8	7.2	212.8	11.0	4.4	10.0	300.6	324.4	8.7	74.2	0.9	23.0
1.4	10.9	1477.5	825.0	18.9	-38.4	234.9	8.8	7.4	4.8	308.6	309.2	0.2	1.0	1.6	33.0
2.4	22.0	1401.9	825.0	16.4	-30.7	257.7	7.1	4.9	1.5	309.0	309.6	0.1	1.0	2.0	41.0
3.7	24.4	1954.4	800.0	14.2	-41.2	262.4	7.4	7.3	0.9	309.1	309.6	0.1	1.0	2.4	47.0
4.7	26.7	2407.9	775.0	12.0	-30.0	245.4	7.1	9.1	3.5	309.7	310.3	0.2	1.6	2.7	52.0
5.7	29.2	2407.9	750.0	9.3	-22.1	263.1	10.0	9.9	1.2	309.7	312.6	0.9	5.0	3.2	58.0
6.6	31.8	2776.5	725.0	6.6	-19.5	259.0	12.4	12.2	2.4	309.8	313.5	1.2	12.3	3.9	62.0
7.7	34.4	2049.0	700.0	4.3	-21.9	254.0	12.1	11.6	3.1	310.4	313.6	1.0	12.7	4.7	65.0
9.4	36.4	3745.9	675.0	4.3	-23.7	251.9	11.4	10.9	3.5	310.3	312.5	0.7	10.6	5.2	66.0
10.1	39.6	4670.9	650.0	1.2	-28.7	249.9	11.4	11.1	4.1	311.5	312.8	0.4	6.4	6.5	67.0
11.5	42.1	7094.0	625.0	-0.3	-33.3	249.9	11.4	11.2	3.5	311.0	311.9	0.3	5.7	7.6	67.0
12.0	44.9	4708.5	600.0	-4.4	-37.5	252.5	11.8	11.2	5.0	312.2	312.4	0.1	1.9	8.8	68.0
14.7	47.8	4942.2	575.0	-6.7	-40.2	245.0	11.9	10.8	5.0	312.7	312.9	0.0	1.0	9.8	67.0
16.0	50.4	4947.2	550.0	-9.6	-50.0	243.6	12.4	11.1	5.5	312.7	312.9	0.0	1.0	10.9	67.0
17.4	53.4	7744.7	525.0	-11.8	-57.4	245.7	14.1	12.2	3.5	314.2	314.3	0.0	1.0	11.9	68.0
18.9	56.3	5716.3	500.0	-14.5	-59.1	245.7	14.1	12.1	1.1	315.4	316.5	0.0	1.0	12.9	70.0
20.0	59.4	4102.4	475.0	-17.5	-61.0	272.1	17.0	17.3	-0.4	316.3	316.4	0.0	1.0	13.9	70.0
21.2	62.7	6505.7	450.0	-19.9	-62.6	282.3	21.0	20.5	-4.5	318.2	318.3	0.0	1.0	14.1	73.0
22.5	65.9	5924.9	425.0	-22.5	-64.9	294.0	25.3	25.5	-4.1	314.9	316.9	0.0	1.0	15.7	76.0
24.4	69.3	7757.7	400.0	-25.5	-66.2	281.4	29.7	29.7	-6.0	321.8	321.9	0.0	1.0	16.5	80.0
24.2	72.7	7812.7	375.0	-29.3	-68.7	284.0	27.3	26.5	-6.6	322.8	322.9	0.0	1.0	21.5	93.0
29.0	76.5	4320.7	350.0	-33.8	-71.7	284.7	29.0	27.3	-7.9	323.1	323.2	0.0	1.0	24.2	86.0
29.4	80.4	4477.7	325.0	-36.5	-72.5	288.9	33.7	29.5	-15.3	326.4	326.4	0.0	1.0	26.5	85.0
31.5	84.7	9387.8	300.0	-41.0	-79.9	290.4	35.8	33.7	-17.3	327.7	327.7	99.9	99.9	30.4	93.0
33.3	87.3	6974.6	275.0	-47.4	-80.9	293.5	45.9	35.8	-22.5	332.4	332.4	99.9	99.9	34.6	97.0
34.2	92.9	10410.7	250.0	-47.9	-80.9	305.4	30.9	32.5	-27.2	334.8	334.8	99.9	99.9	39.4	100.0
37.2	97.4	11248.7	225.0	-52.3	-80.9	294.6	30.0	26.3	-14.3	338.4	338.4	99.9	99.9	43.4	102.0
42.2	102.4	12057.1	200.0	-57.6	-80.9	294.0	29.0	26.6	-8.6	347.9	347.9	99.9	99.9	47.8	103.0
42.5	108.0	12011.4	175.0	-56.9	-80.9	294.4	29.4	25.1	-6.4	356.0	356.0	99.9	99.9	51.5	102.0
45.7	113.9	13076.0	150.0	-60.1	-80.9	275.4	28.4	24.5	-2.3	366.6	366.6	99.9	99.9	55.6	103.0
49.9	120.3	14017.6	125.0	-61.4	-80.9	282.3	17.4	17.0	-3.7	373.8	373.8	99.9	99.9	60.4	103.0
53.3	127.3	16500.1	100.0	-64.5	-80.9	251.9	6.9	6.6	1.9	403.1	403.1	99.9	99.9	63.4	102.0
60.1	135.7	19140.2	75.0	-65.1	-80.9	240.2	4.5	3.9	2.2	436.6	436.6	99.9	99.9	64.8	101.0
68.1	143.3	20474.4	50.0	-67.0	-80.9	54.4	5.8	-4.9	-3.2	499.2	499.2	99.9	99.9	64.1	102.0
61.2	141.7	25103.1	25.0	-63.5	-80.9	74.5	7.2	-7.1	-1.3	631.4	631.4	99.9	99.9	69.0	105.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TEMP HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 432
SALEM, ILLINOIS

27 MAY 1977

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

157 12. 1

TIME MIN	CNTCY	HIGHT GDM	SPES MR	TFMD DG C	DEM PT DG C	DIG DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	HGT Y DG K	F PDT Y DG K	MR RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.2	174.0	990.0	14.7	10.3	60.0	1.5	-1.4	-0.8	288.6	306.3	8.0	75.0	0.0	0.
99.0	99.0	99.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
9.0	4.6	313.2	575.0	20.8	5.6	99.0	99.0	99.0	99.0	295.1	312.2	5.9	37.4	559.5	999.0
1.3	13.7	578.0	950.0	21.7	-2.4	99.0	99.0	99.0	99.0	295.2	308.9	3.4	19.9	999.0	999.0
2.1	12.9	748.3	925.0	20.0	-0.9	99.0	99.0	99.0	99.0	200.9	310.8	3.9	24.6	0.7	303.
7.1	15.2	1001.7	500.0	17.9	6.2	109.4	1.9	-1.4	0.6	100.0	312.4	4.4	10.5	0.9	201.
4.2	17.4	1283.0	975.0	15.1	1.0	114.4	2.3	-2.1	0.5	290.7	312.9	4.7	18.0	1.0	300.
5.0	19.3	1447.4	850.0	13.4	-4.7	110.2	1.5	-3.2	1.6	300.2	308.2	2.8	24.7	1.1	259.
5.0	22.0	1749.1	925.0	12.1	-41.9	113.1	5.0	-4.5	2.2	302.5	302.9	0.1	1.0	1.3	299.
4.0	24.4	1964.0	803.0	13.3	-41.4	113.0	5.0	-5.4	2.3	305.0	306.4	0.1	1.0	1.7	298.
7.0	26.9	2253.2	775.0	12.4	-42.3	99.7	6.2	-5.1	1.0	307.1	307.5	0.1	1.0	2.0	297.
9.0	29.4	2551.4	750.0	10.8	-43.3	92.1	7.5	-7.7	-1.1	308.3	308.7	0.1	1.0	2.4	292.
10.0	32.0	2817.4	725.0	5.2	-44.3	76.6	9.0	-9.4	-2.1	309.4	309.9	0.1	1.0	2.5	286.
11.1	34.7	3104.9	700.0	7.2	-45.5	85.5	9.0	-9.0	-0.7	310.4	310.8	0.1	1.0	3.4	281.
12.2	37.2	3404.4	675.0	3.4	-47.7	113.9	8.9	-8.4	1.4	311.4	311.7	0.1	1.0	4.0	280.
13.5	40.0	3711.0	650.0	2.6	-49.4	120.1	7.4	-6.4	3.7	315.3	315.3	0.1	1.0	4.6	281.
14.7	42.6	4034.4	625.0	0.6	-50.6	127.7	5.1	-5.2	3.4	316.2	317.1	0.1	1.0	5.2	283.
15.1	45.5	4345.8	600.0	0.6	-51.2	127.7	5.1	-4.1	1.1	317.7	317.9	0.1	1.0	5.7	284.
17.4	49.5	4694.5	575.0	-2.0	-52.7	131.2	3.5	-2.6	2.5	319.8	320.0	0.0	1.0	6.2	286.
19.4	51.4	5047.9	550.0	-4.4	-54.5	135.6	3.5	-2.5	2.5	320.7	320.9	0.0	1.0	6.5	287.
21.9	54.5	5412.4	525.0	-7.2	-56.3	153.4	5.5	-2.5	5.0	320.7	320.9	0.0	1.0	6.7	288.
23.3	60.9	5793.5	500.0	-10.2	-58.3	157.4	7.0	-2.7	6.5	321.2	321.5	0.1	1.0	7.0	290.
24.7	64.3	6097.6	475.0	-13.5	-61.4	157.4	8.1	-3.0	7.1	322.9	323.7	0.1	2.4	7.4	294.
26.7	67.4	7020.0	450.0	-16.2	-60.8	151.3	8.1	-4.9	6.4	323.8	324.5	0.2	10.5	8.6	296.
27.9	70.9	7447.1	425.0	-19.7	-65.2	142.4	9.0	-4.9	6.7	325.1	329.1	0.1	2.2	7.9	297.
29.9	74.9	7817.7	400.0	-23.0	-72.7	144.1	8.0	-4.5	7.7	327.0	328.9	0.2	7.5	9.4	301.
31.9	78.4	8137.4	375.0	-26.2	-74.2	171.1	7.4	-1.2	5.7	328.4	329.8	0.6	46.3	10.2	304.
33.4	82.7	8555.4	350.0	-30.0	-74.0	194.6	5.9	1.5	5.7	329.1	329.8	0.2	25.9	10.5	308.
35.0	85.7	8975.2	325.0	-34.5	-75.5	184.9	7.3	1.9	7.0	330.4	330.9	0.2	31.4	11.3	316.
39.0	91.4	10090.0	275.0	-39.0	-79.6	184.9	5.4	0.6	6.5	330.7	330.9	0.1	95.5	12.0	319.
40.4	94.0	10750.0	250.0	-44.5	-80.1	177.7	3.5	-0.1	3.5	332.7	333.7	0.1	95.5	12.5	322.
43.0	101.0	11413.0	225.0	-50.1	-80.9	145.6	1.5	-0.9	1.2	335.9	336.9	0.1	95.5	12.8	322.
45.0	104.4	12159.5	200.0	-55.0	-85.6	69.9	1.7	-1.5	-0.7	339.1	339.1	0.1	95.5	12.9	322.
49.0	112.5	12918.3	175.0	-63.1	-99.0	23.7	2.2	-0.0	-2.0	345.5	345.5	0.1	95.5	12.9	322.
52.7	119.3	13755.7	150.0	-72.5	-99.6	11.2	1.9	-0.8	-3.8	352.4	352.4	0.1	95.5	12.9	320.
56.4	124.0	14570.7	125.0	-80.4	-99.6	53.9	1.9	-1.5	-1.1	407.1	407.1	0.1	95.5	12.9	318.
61.7	134.0	15454.6	100.0	-92.4	-99.9	21.3	2.5	1.6	-1.9	411.2	411.2	0.1	95.5	12.9	318.
67.0	141.7	16231.6	75.0	-92.4	-99.9	44.0	5.7	-4.0	-4.1	441.2	441.2	0.1	95.5	12.9	318.
70.4	157.0	23974.4	50.0	-96.7	-99.9	76.2	7.3	-7.1	-1.7	509.4	509.4	0.1	95.5	13.0	297.
80.3	184.9	25228.1	25.0	-96.4	-99.9	99.9	99.9	99.9	99.9	643.5	643.5	0.1	95.5	13.0	297.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TFM MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 5 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 451
DODGE CITY, KANSAS

27 MAY 1977
1115 GMT

195 13. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN.	CNTCT	WIGHT GPM	POES HR	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DEG K	F POT Y DEG K	M2 RTO GPM/KG	RM PCY	RANGE KM	AZ DEG
0.0	14.1	791.0	517.9	16.1	12.7	210.0	7.4	1.4	3.1	274.4	323.2	10.1	80.0	0.0	0.
00.0	09.9	1000.0	1000.0	09.9	09.9	09.9	09.9	09.9	09.9	09.9	099.9	09.9	999.9	999.9	999.9
00.0	09.0	99.0	975.0	09.0	09.0	09.0	99.9	09.9	09.9	99.9	999.9	99.9	999.9	999.9	999.9
00.0	09.0	99.0	950.0	09.0	09.0	09.0	99.9	09.9	09.9	99.9	999.9	99.9	999.9	999.9	999.9
00.0	09.0	99.0	925.0	09.0	09.0	09.0	99.9	09.9	09.9	99.9	999.9	99.9	999.9	999.9	999.9
0.4	13.7	088.4	900.0	14.5	14.0	099.9	09.9	09.9	09.9	292.6	376.4	11.3	54.1	999.9	999.9
1.5	13.1	1104.7	875.0	12.0	12.2	099.9	099.9	09.9	09.9	297.2	374.8	10.4	55.8	999.9	999.9
2.4	23.4	1401.7	925.0	12.2	11.4	227.7	19.9	10.7	10.2	302.9	374.3	10.1	94.9	1.4	37.
3.4	23.0	1401.7	925.0	14.5	9.4	227.7	19.9	10.7	13.5	302.9	374.3	7.7	55.8	1.4	42.
4.3	23.4	1401.7	925.0	13.0	3.2	271.3	19.9	15.5	12.4	302.9	374.3	6.1	48.5	3.6	44.
5.3	24.1	1401.7	925.0	11.7	1.9	271.3	19.9	15.5	9.0	302.9	374.3	5.7	50.7	4.7	44.
6.3	24.1	1401.7	925.0	9.8	-2.5	271.3	19.9	15.5	6.6	302.9	374.3	4.1	40.7	5.3	44.
7.2	24.1	1401.7	925.0	8.4	-4.2	271.3	19.9	15.5	5.8	302.9	374.3	3.3	33.9	6.1	44.
8.2	24.1	1401.7	925.0	6.7	-11.0	271.3	19.9	15.5	6.7	302.9	374.3	2.4	26.9	6.2	56.
9.3	24.1	1401.7	925.0	5.9	-10.5	271.3	19.9	15.5	7.4	302.9	374.3	2.4	26.9	7.5	56.
10.4	24.0	1401.7	925.0	0.9	-0.9	271.3	19.9	15.5	6.8	302.9	374.3	2.8	44.4	8.3	56.
11.4	24.0	1401.7	925.0	-1.0	-11.9	271.3	19.9	15.5	6.9	302.9	374.3	2.5	44.4	9.0	56.
12.7	24.1	1401.7	925.0	-4.9	-11.7	271.3	19.9	15.5	7.8	302.9	374.3	2.6	55.0	9.7	56.
13.1	24.1	1401.7	925.0	-7.7	-12.2	271.3	19.9	15.5	8.7	302.9	374.3	2.6	70.8	10.4	45.
14.5	24.1	1401.7	925.0	-10.4	-12.2	271.3	19.9	15.5	9.4	302.9	374.3	1.8	55.6	11.2	47.
15.1	24.1	1401.7	925.0	-10.4	-12.2	271.3	19.9	15.5	9.4	302.9	374.3	0.0	1.0	12.1	46.
16.5	24.1	1401.7	925.0	-14.2	-12.2	271.3	19.9	15.5	9.2	302.9	374.3	0.2	1.0	12.1	46.
17.6	24.1	1401.7	925.0	-17.6	-12.2	271.3	19.9	15.5	7.3	302.9	374.3	0.3	16.3	13.1	45.
18.6	24.1	1401.7	925.0	-19.9	-12.2	271.3	19.9	15.5	7.5	302.9	374.3	0.3	16.3	14.0	45.
21.0	24.1	1401.7	925.0	-22.7	-12.2	271.3	19.9	15.5	7.4	302.9	374.3	0.3	16.3	14.9	45.
22.5	24.1	1401.7	925.0	-24.1	-12.2	271.3	19.9	15.5	6.3	302.9	374.3	0.2	14.3	15.8	46.
23.6	24.1	1401.7	925.0	-29.1	-12.2	271.3	19.9	15.5	4.3	302.9	374.3	0.0	1.0	16.5	44.
25.2	24.1	1401.7	925.0	-31.5	-12.2	271.3	19.9	15.5	15.6	302.9	374.3	0.0	1.0	17.0	44.
27.9	24.1	1401.7	925.0	-34.0	-12.2	271.3	19.9	15.5	23.4	302.9	374.3	0.3	44.3	20.2	41.
30.8	24.1	1401.7	925.0	-37.0	-12.2	271.3	19.9	15.5	32.6	302.9	374.3	0.3	44.3	22.4	37.
32.7	24.1	1401.7	925.0	-40.7	-12.2	271.3	19.9	15.5	33.4	302.9	374.3	0.2	22.6	25.1	21.
34.7	24.1	1401.7	925.0	-42.7	-12.2	271.3	19.9	15.5	33.4	302.9	374.3	0.2	22.6	25.1	21.
37.2	24.1	1401.7	925.0	-46.5	-12.2	271.3	19.9	15.5	33.4	302.9	374.3	0.2	22.6	25.1	21.
39.4	24.1	1401.7	925.0	-47.4	-12.2	271.3	19.9	15.5	33.4	302.9	374.3	0.2	22.6	25.1	21.
42.0	24.1	1401.7	925.0	-47.4	-12.2	271.3	19.9	15.5	33.4	302.9	374.3	0.2	22.6	25.1	21.
44.1	24.1	1401.7	925.0	-47.4	-12.2	271.3	19.9	15.5	33.4	302.9	374.3	0.2	22.6	25.1	21.
46.9	24.1	1401.7	925.0	-47.4	-12.2	271.3	19.9	15.5	33.4	302.9	374.3	0.2	22.6	25.1	21.
49.7	24.1	1401.7	925.0	-47.4	-12.2	271.3	19.9	15.5	33.4	302.9	374.3	0.2	22.6	25.1	21.
52.1	24.1	1401.7	925.0	-47.4	-12.2	271.3	19.9	15.5	33.4	302.9	374.3	0.2	22.6	25.1	21.
54.3	24.1	1401.7	925.0	-47.4	-12.2	271.3	19.9	15.5	33.4	302.9	374.3	0.2	22.6	25.1	21.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 456
TOPEKA, KANSAS

27 MAY 1977
1100 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

127 84.1

TIME MIN.	CNTCT	HEIGHT GPM	PRF4 W3	TEMP DEG C	CFW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	F POT T DEG K	PR RTO GP/KG	RM PCT	RANGE AZ KM	DG
0.0	9.5	268.0	578.0	20.0	17.2	170.0	2.6	-2.0	1.7	295.0	228.3	12.8	84.0	0.0	0.
0.5	9.5	98.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	955.5	555.5	999.9
1.0	9.5	98.5	975.0	20.0	16.5	99.9	99.9	99.9	99.9	246.2	328.3	12.3	76.4	999.9	999.9
1.5	11.0	520.2	500.0	22.3	15.7	999.9	999.9	99.9	99.9	299.9	331.6	11.9	66.4	999.9	999.9
1.6	11.1	752.2	975.0	20.9	14.3	999.9	999.9	99.9	99.9	400.7	330.7	11.2	65.8	999.9	999.9
2.0	13.5	989.0	900.0	19.1	13.2	999.9	999.9	99.9	99.9	301.2	330.1	10.7	65.7	1.2	358.
3.0	17.7	1270.7	975.0	17.0	13.1	143.1	15.0	0.8	15.0	301.5	331.0	10.9	77.9	2.1	1.
4.0	20.1	1477.5	950.0	14.5	13.1	141.3	12.7	0.3	12.7	301.4	331.8	11.3	51.3	2.9	1.
5.0	22.3	1770.7	925.0	12.5	11.1	178.3	12.1	-0.4	12.1	301.3	329.4	10.1	90.5	3.7	1.
6.0	24.7	1987.7	900.0	10.9	5.5	170.7	11.6	-1.0	11.5	302.4	323.0	7.3	71.0	4.4	260.
9.0	27.0	2252.2	775.0	9.5	1.4	167.1	12.2	-2.7	11.9	304.0	319.6	5.5	57.1	5.2	358.
9.2	27.5	2527.6	750.0	7.3	-0.3	167.1	12.2	-2.7	11.9	304.5	318.9	5.0	58.5	6.0	357.
10.3	32.1	2901.7	725.0	4.6	0.2	164.8	11.5	-1.0	11.1	304.6	319.9	5.4	72.9	6.9	355.
11.6	34.7	3087.1	700.0	2.6	-1.5	156.0	11.0	-1.3	10.1	305.4	319.5	4.9	74.4	7.7	354.
12.9	37.1	3381.3	675.0	1.7	-20.6	144.7	11.5	-6.7	7.4	307.6	311.0	1.1	17.2	8.4	352.
14.3	40.8	3635.3	650.0	0.7	-8.9	142.0	14.1	-3.7	11.1	309.8	316.8	3.0	48.5	9.2	349.
15.3	42.3	3899.9	625.0	-0.3	-22.5	145.9	16.1	-2.8	13.4	312.1	315.6	1.1	16.4	10.2	346.
16.6	45.1	4355.1	600.0	-2.4	-11.6	152.3	15.5	-7.2	13.7	313.3	321.4	2.6	45.1	11.5	344.
18.1	48.0	4811.7	575.0	-5.4	-9.6	159.2	14.4	-3.1	13.5	313.7	323.5	3.2	64.5	12.7	343.
19.4	50.8	5019.3	550.0	-6.0	-12.4	167.3	15.5	-3.4	15.1	315.9	324.2	2.7	64.5	14.1	343.
21.0	53.8	5722.1	525.0	-9.5	-11.2	172.1	15.4	-2.1	15.4	317.0	326.4	3.1	87.8	15.3	344.
22.4	56.5	6788.4	500.0	-11.1	-14.7	176.9	15.3	-0.8	15.3	319.5	327.3	2.9	74.9	16.7	345.
24.0	59.8	7487.7	475.0	-13.7	-16.9	185.7	17.7	1.9	17.6	321.0	327.9	2.1	76.3	18.1	346.
25.5	63.0	8500.6	450.0	-15.6	-21.8	196.1	16.9	1.9	16.8	323.5	328.5	1.5	56.7	19.6	348.
27.0	65.1	9799.4	425.0	-18.5	-24.1	191.4	17.1	0.4	17.1	323.7	326.5	1.3	61.0	21.0	349.
28.7	68.4	7489.7	400.0	-21.8	-26.3	181.2	15.4	0.3	15.4	326.7	330.5	1.1	66.6	22.9	350.
30.4	71.0	7900.5	375.0	-25.7	-30.1	192.1	13.7	0.5	13.7	327.6	330.5	0.8	66.3	24.3	351.
32.5	74.7	8707.8	350.0	-29.8	-32.7	176.3	15.7	-1.0	15.3	327.6	331.0	0.7	75.4	25.6	351.
34.4	80.5	9021.0	325.0	-33.7	-37.7	174.0	16.2	-1.1	16.1	330.3	332.0	0.5	66.2	27.9	351.
36.5	84.8	9478.7	300.0	-37.5	-44.2	180.2	14.9	2.4	14.8	332.5	333.4	0.2	45.1	29.6	352.
38.6	89.5	10073.5	275.0	-42.2	-49.9	181.0	13.1	3.7	13.1	334.2	334.9	0.9	95.9	31.4	353.
40.9	92.0	10710.0	250.0	-48.0	-49.9	179.0	10.7	-0.4	10.3	334.7	335.5	5.9	95.5	33.0	353.
43.4	97.4	11704.8	225.0	-54.1	-55.5	179.6	12.3	-0.1	12.3	335.5	335.5	99.9	95.5	34.5	354.
45.0	102.6	12139.0	200.0	-60.3	-60.9	150.9	13.6	-0.7	12.8	337.2	336.9	5.9	95.5	36.6	354.
48.2	109.5	12681.2	175.0	-64.5	-69.9	157.7	12.5	-0.3	11.6	343.4	336.9	5.9	95.5	38.9	352.
52.5	114.5	13911.4	150.0	-59.3	-69.9	190.5	7.7	1.4	7.1	348.7	336.9	5.9	95.5	40.9	352.
56.4	121.3	15050.2	125.0	-60.9	-69.9	206.3	9.1	4.0	9.9	410.0	336.9	99.9	95.5	42.6	353.
61.1	125.7	14470.7	100.0	-60.9	-69.9	99.9	59.9	99.9	99.9	30.9	336.9	99.9	95.5	43.8	355.
68.9	97.0	69.8	75.0	90.0	90.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	95.5	55.5	999.9
99.0	99.0	99.0	25.0	99.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	95.5	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OF TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 512
 MERRIA, ILLINOIS

27 MAY 1977

1100 GMT

190 11. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	WIGHT GPM	DEFS MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	F PCT T DEG K	MR ATC GM/KG	RP PCT	RANGE KM	AZ DEG
0.0	7.4	200.0	987.5	17.2	10.6	110.0	5.2	-5.9	1.8	251.2	312.6	8.1	65.0	0.8	0.
0.9	99.9	30.0	1000.0	17.2	10.6	99.9	99.9	51.7	9.9	293.9	309.9	95.9	955.9	599.9	955.9
0.7	9.9	725.5	575.7	18.2	11.0	232.0	4.3	1.5	2.6	293.5	315.9	8.5	62.9	0.3	250.
1.2	11.0	540.0	940.3	21.2	11.6	162.2	6.6	-0.0	6.2	298.7	323.1	9.1	54.3	0.3	306.
2.1	13.4	781.8	223.0	20.4	9.8	140.9	9.7	-1.5	6.8	300.3	323.0	6.3	50.2	1.4	216.
3.9	15.7	1018.0	900.0	18.9	7.5	170.9	6.2	-0.0	4.7	300.9	320.9	7.2	47.5	1.7	312.
4.8	19.0	1288.9	474.0	16.7	6.4	124.3	4.4	-1.7	3.5	301.1	320.2	6.9	50.7	2.0	313.
4.7	20.4	1508.5	950.0	15.1	3.1	82.3	4.0	-0.0	-0.5	302.0	317.8	5.7	44.4	2.2	310.
5.6	22.8	1757.6	825.0	13.7	-3.3	62.8	6.4	-0.7	-2.8	303.0	313.6	3.7	30.8	2.3	308.
6.7	25.3	2014.1	503.0	12.6	-7.4	71.4	8.1	-7.6	-2.5	304.4	312.8	2.8	24.1	2.6	296.
7.4	27.8	2281.6	775.0	11.0	-2.5	78.8	8.8	-8.4	-1.7	305.6	312.4	4.1	22.2	3.0	286.
9.7	30.3	2551.9	450.0	10.1	-6.5	94.0	9.5	-3.5	-0.6	307.5	316.9	3.1	20.4	3.5	285.
10.0	31.1	2875.4	725.0	7.6	-7.8	92.4	8.1	-0.1	0.3	307.9	316.6	2.9	22.8	4.1	282.
11.0	35.6	3123.8	700.0	5.8	-8.6	94.7	8.4	-1.4	0.7	308.9	317.5	2.8	24.5	4.6	282.
12.0	39.3	3420.1	675.0	3.4	-10.9	85.1	7.5	-1.5	0.7	309.5	317.0	2.5	24.2	5.1	281.
12.9	40.0	3724.8	650.3	1.7	-12.7	104.1	5.2	-1.0	1.5	310.2	317.0	2.2	24.7	5.5	281.
14.1	43.7	4040.1	425.3	0.6	-20.4	128.4	3.4	-2.7	2.1	313.1	317.0	1.2	19.0	5.7	281.
14.2	44.4	4744.8	400.0	-1.1	-23.1	144.4	3.4	-2.2	3.1	314.8	318.1	1.0	16.6	5.5	282.
16.3	49.6	4704.7	575.0	-3.3	-24.3	147.9	5.6	-1.0	4.7	316.2	315.3	0.9	17.8	6.1	293.
17.7	52.4	4054.2	540.0	-4.9	-20.7	145.4	5.9	-1.5	5.9	319.3	320.2	0.9	11.6	6.4	286.
13.1	55.4	4615.0	425.0	-7.9	-23.1	145.9	4.4	-1.2	6.5	319.9	320.6	0.5	12.2	6.7	282.
20.4	59.5	4705.9	500.0	-10.7	-33.5	142.4	7.9	-2.4	7.6	320.0	321.5	0.4	13.3	7.0	286.
21.9	61.8	5188.5	475.0	-17.1	-35.4	147.1	8.5	-1.2	9.3	321.4	323.1	0.4	12.3	7.5	286.
23.1	65.1	4597.8	453.0	-16.1	-28.2	165.7	9.9	-2.2	9.7	323.0	325.0	0.8	24.2	8.0	304.
24.4	64.4	7025.0	425.3	-20.2	-30.2	164.9	9.2	-1.5	9.0	323.1	325.6	0.7	40.3	8.7	207.
26.4	71.0	4571.0	400.3	-24.0	-27.1	169.4	9.4	-1.9	9.4	323.9	327.3	1.0	75.0	9.2	211.
28.1	75.4	7079.8	375.0	-27.7	-34.7	160.1	10.0	-3.4	9.4	325.0	326.9	0.5	81.3	10.2	214.
29.9	79.4	4472.2	350.0	-20.6	-40.4	171.0	6.4	-1.0	6.3	327.5	328.7	0.2	77.2	11.0	217.
31.7	93.3	4954.6	325.0	-34.9	-44.7	191.5	3.6	3.7	3.4	328.5	329.3	0.2	26.0	11.4	318.
33.6	97.3	9507.2	300.0	-29.0	-40.9	167.9	2.8	-0.5	2.8	329.2	329.9	95.9	955.9	11.6	320.
35.4	91.8	10095.5	274.0	-44.9	99.9	103.9	3.1	-3.0	0.7	330.2	329.9	99.9	955.9	11.9	324.
38.0	94.4	10724.7	250.0	-49.3	98.9	80.3	3.7	-1.7	-0.6	332.7	329.9	99.9	955.9	12.2	318.
40.4	101.2	11404.8	225.0	-54.5	98.9	82.1	5.0	-3.9	-3.1	335.1	329.9	95.9	955.9	12.4	316.
42.4	106.4	12159.1	200.0	-59.7	99.9	16.1	10.1	-2.8	-9.9	339.4	329.9	99.9	955.9	12.1	310.
45.7	112.2	12344.4	175.0	-64.4	99.9	4.3	4.0	-0.6	-8.0	343.7	329.9	55.9	555.9	11.3	303.
49.1	118.3	13072.7	150.0	-63.9	99.9	22.2	4.0	-1.5	-1.7	350.1	329.9	99.9	955.9	10.8	296.
52.2	125.5	15052.0	125.0	-59.0	99.9	340.3	2.1	0.4	-2.1	357.1	329.9	99.9	955.9	10.3	292.
59.3	137.3	16450.4	100.0	-61.1	99.9	11.5	4.7	-0.9	-4.6	409.7	329.9	95.9	955.9	11.6	286.
64.6	141.3	18221.3	75.0	-62.9	95.5	82.0	5.6	-3.5	-0.8	421.1	329.9	99.9	955.9	11.1	282.
77.5	140.0	20778.7	50.0	-54.4	99.9	80.4	6.8	-4.7	-1.1	515.3	329.9	95.9	955.9	15.1	279.
84.7	150.0	25221.7	25.0	-52.0	99.9	990.9	959.9	99.9	99.9	635.0	329.9	99.9	955.9	20.1	271.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 531
OMAHA, NEBRASKA

27 MAY 1977
1102 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN.	CNTC*	HEIGHT GDM	DEPTH M	TEMP DEG C	DEW PT DEG C	DIR DEG	SPD M/SEC	U COMP M/SEC	V COMP M/SEC	PNT T UG K	F POT T DG K	MX RTC GP/KG	RM FCY	RANGE KM	AZ DG
0.0	9.1	400.0	242.4	17.6	16.2	170.0	2.1	-9.4	2.1	204.0	325.7	12.2	92.0	0.0	0.
0.9	9.0	39.9	1000.0	99.9	98.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.3	12.4	74.2	925.0	21.0	15.6	151.7	15.6	-7.3	15.1	206.4	329.2	12.1	82.5	0.2	329.
2.2	13.4	980.7	900.0	20.9	13.2	177.7	21.7	-1.0	21.2	303.0	332.4	12.2	71.3	0.8	329.
3.9	14.7	1271.9	875.0	18.7	12.0	178.1	19.4	-3.7	19.4	303.1	330.9	10.1	61.6	1.8	340.
7.0	19.2	1722.2	850.0	16.4	11.2	178.0	19.1	-0.7	19.1	303.4	330.4	9.9	64.8	2.7	350.
4.9	21.4	1725.0	825.0	14.1	11.4	178.0	19.1	-0.6	17.4	303.5	331.9	10.4	84.3	3.7	352.
5.5	23.9	1785.4	800.0	11.9	11.1	177.7	19.0	-2.7	16.0	303.7	332.3	10.4	84.3	4.7	353.
6.5	24.1	1785.4	775.0	9.8	9.4	175.1	17.6	-1.2	17.5	304.3	329.1	10.4	84.3	5.6	354.
7.5	24.8	1785.4	750.0	7.0	6.4	173.3	17.0	-1.9	17.8	305.1	327.9	10.4	84.3	6.6	354.
8.4	31.3	1802.9	725.0	6.0	4.5	168.9	14.3	-3.1	16.0	306.1	326.6	7.2	85.6	7.5	355.
9.4	74.0	1809.9	700.0	4.2	7.0	164.1	14.1	-3.4	13.7	307.2	324.5	6.8	91.8	8.5	354.
10.5	76.4	1785.4	675.0	2.0	0.9	165.5	15.5	-3.6	15.1	307.9	323.2	6.0	91.8	9.5	353.
11.7	78.4	1680.7	650.0	0.4	-2.4	165.1	16.7	-4.0	15.2	309.5	322.5	4.6	91.8	10.5	353.
12.7	41.9	4001.9	625.0	-1.2	-2.9	167.2	16.8	-3.7	15.4	311.7	321.7	5.0	97.9	11.4	352.
13.4	44.9	4290.5	600.0	-2.3	-5.1	174.1	13.6	-1.4	13.5	313.4	326.5	4.4	86.5	12.4	352.
14.9	47.9	4444.2	575.0	-5.0	-7.0	174.1	13.0	-0.1	13.0	314.4	322.0	4.0	86.5	13.3	352.
14.0	50.8	4014.6	550.0	-7.5	-8.0	174.1	14.1	0.8	14.1	315.2	325.9	3.5	86.5	14.1	352.
17.3	59.9	5744.1	525.0	-8.9	-11.2	181.6	14.3	0.4	14.3	317.7	327.3	3.1	82.2	15.1	353.
14.6	54.9	5742.6	500.0	-11.4	-14.0	180.7	12.4	0.2	12.8	319.2	327.3	2.6	81.3	16.2	353.
19.0	60.1	4144.1	475.0	-14.4	-15.4	177.7	15.0	-0.4	15.0	319.9	327.3	2.2	81.3	17.3	354.
21.2	47.4	4444.1	450.0	-15.4	-20.3	175.7	19.0	-1.5	13.9	323.4	325.1	1.7	65.5	18.3	354.
22.7	64.9	4442.0	425.0	-19.0	-27.3	174.3	11.9	-1.0	11.9	324.7	326.4	1.4	71.3	19.6	354.
24.3	70.6	7431.4	400.0	-21.9	-29.2	171.5	12.3	-1.8	12.2	326.5	329.8	0.9	56.2	20.6	354.
24.0	74.3	7001.2	375.0	-25.4	-31.1	165.2	11.3	-2.5	11.0	327.9	330.6	0.7	56.2	21.8	354.
27.4	79.3	4809.2	350.0	-29.5	-34.4	165.2	12.0	-1.4	11.9	329.9	331.6	0.5	47.6	22.9	354.
29.4	97.3	9024.1	325.0	-37.0	-41.6	184.5	13.1	1.0	13.1	331.4	332.4	0.3	41.3	24.4	354.
31.2	94.4	9447.3	300.0	-37.7	-44.9	184.5	14.5	1.2	14.4	332.2	332.9	0.2	37.3	26.4	354.
73.0	91.2	10074.4	275.0	-42.9	-49.5	176.0	13.4	-0.9	13.4	333.2	333.9	0.9	37.3	28.4	355.
74.0	96.0	10712.2	250.0	-48.0	-53.4	175.5	13.9	-1.1	13.4	334.4	334.9	0.9	37.3	29.4	355.
77.2	101.0	11730.2	225.0	-53.4	-59.9	175.6	15.8	-0.1	15.8	336.6	336.9	0.9	37.3	30.9	355.
79.5	105.9	12145.6	200.0	-60.4	-66.4	180.2	17.3	2.5	17.1	337.1	337.9	0.9	37.3	32.4	356.
42.2	112.9	12449.1	175.0	-63.4	-69.9	180.4	13.1	2.5	12.0	344.7	344.9	0.9	37.3	34.2	356.
45.2	119.3	13019.1	150.0	-61.5	-67.9	180.0	8.7	1.2	8.6	344.2	344.9	0.9	37.3	36.7	357.
49.8	128.7	15059.7	125.0	-59.7	-65.9	180.0	10.1	1.0	10.0	347.0	347.9	0.9	37.3	38.2	357.
51.3	134.7	14462.0	100.0	-60.2	-66.9	180.2	2.6	0.9	2.5	411.5	349.9	0.9	37.3	40.2	357.
54.7	142.7	15247.0	75.0	-61.7	-68.5	180.4	3.3	-2.9	1.6	441.6	349.9	0.9	37.3	41.8	358.
64.8	151.3	20763.4	50.0	-56.1	-64.9	180.7	9.9	-6.7	-1.3	511.0	349.9	0.9	37.3	42.1	358.
74.9	160.3	24234.6	25.0	-52.1	-60.5	180.9	99.9	99.9	99.9	635.1	349.9	0.9	37.3	42.1	358.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

** BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

*** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION N1, 562
 NORTH PLATTE, NEBRASKA

 27 MAY 1977
 1115 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

156 24. 1

TIME MIN	CNTCT	HEIGHT GMS	PPTS MM	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E PCT T DEG K	WX RTO GP/KG	EM PCT	RANGE NM	AZ DEG
0.0	15.0	947.0	909.4	13.3	12.2	270.0	2.6	2.6	0.0	204.3	320.3	9.9	93.0	0.3	0.
00.0	09.0	90.0	1000.0	09.0	56.0	95.0	09.0	09.0	09.0	30.9	599.9	96.9	955.5	966.9	569.
00.0	09.0	90.0	975.0	09.0	09.0	09.0	09.0	09.0	09.0	49.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	950.0	09.0	09.0	09.0	09.0	09.0	09.0	59.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	925.0	09.0	09.0	09.0	09.0	09.0	09.0	69.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	900.0	09.0	09.0	09.0	09.0	09.0	09.0	79.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	875.0	09.0	09.0	09.0	09.0	09.0	09.0	89.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	850.0	09.0	09.0	09.0	09.0	09.0	09.0	99.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	825.0	09.0	09.0	09.0	09.0	09.0	09.0	109.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	800.0	09.0	09.0	09.0	09.0	09.0	09.0	119.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	775.0	09.0	09.0	09.0	09.0	09.0	09.0	129.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	750.0	09.0	09.0	09.0	09.0	09.0	09.0	139.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	725.0	09.0	09.0	09.0	09.0	09.0	09.0	149.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	700.0	09.0	09.0	09.0	09.0	09.0	09.0	159.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	675.0	09.0	09.0	09.0	09.0	09.0	09.0	169.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	650.0	09.0	09.0	09.0	09.0	09.0	09.0	179.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	625.0	09.0	09.0	09.0	09.0	09.0	09.0	189.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	600.0	09.0	09.0	09.0	09.0	09.0	09.0	199.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	575.0	09.0	09.0	09.0	09.0	09.0	09.0	209.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	550.0	09.0	09.0	09.0	09.0	09.0	09.0	219.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	525.0	09.0	09.0	09.0	09.0	09.0	09.0	229.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	500.0	09.0	09.0	09.0	09.0	09.0	09.0	239.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	475.0	09.0	09.0	09.0	09.0	09.0	09.0	249.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	450.0	09.0	09.0	09.0	09.0	09.0	09.0	259.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	425.0	09.0	09.0	09.0	09.0	09.0	09.0	269.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	400.0	09.0	09.0	09.0	09.0	09.0	09.0	279.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	375.0	09.0	09.0	09.0	09.0	09.0	09.0	289.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	350.0	09.0	09.0	09.0	09.0	09.0	09.0	299.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	325.0	09.0	09.0	09.0	09.0	09.0	09.0	309.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	300.0	09.0	09.0	09.0	09.0	09.0	09.0	319.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	275.0	09.0	09.0	09.0	09.0	09.0	09.0	329.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	250.0	09.0	09.0	09.0	09.0	09.0	09.0	339.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	225.0	09.0	09.0	09.0	09.0	09.0	09.0	349.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	200.0	09.0	09.0	09.0	09.0	09.0	09.0	359.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	175.0	09.0	09.0	09.0	09.0	09.0	09.0	369.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	150.0	09.0	09.0	09.0	09.0	09.0	09.0	379.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	125.0	09.0	09.0	09.0	09.0	09.0	09.0	389.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	100.0	09.0	09.0	09.0	09.0	09.0	09.0	399.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	75.0	09.0	09.0	09.0	09.0	09.0	09.0	409.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	50.0	09.0	09.0	09.0	09.0	09.0	09.0	419.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	25.0	09.0	09.0	09.0	09.0	09.0	09.0	429.9	599.9	96.9	955.5	999.9	569.
00.0	09.0	90.0	0.0	09.0	09.0	09.0	09.0	09.0	09.0	439.9	599.9	96.9	955.5	999.9	569.

 * BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 642
 RAPID CITY, SOUTH DAKOTA

27 MAY 1977

1112 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

100 12.1

TIME MIN	CNTCT	WTCMT GPM	DBR MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	MUT T DG K	PPT T DG K	PK RTG GPM/KG	LT PCT	RANGE KM	AZ DG
0.0	12.5	944.0	955.7	12.9	10.0	130.0	2.1	-1.6	1.3	205.1	316.1	8.7	83.0	0.0	0.
00.9	09.0	1003.0	1003.0	09.0	09.0	09.0	97.0	0.9	0.9	09.0	09.0	09.0	09.0	09.0	09.0
30.9	09.0	975.0	975.0	09.0	09.0	09.0	99.0	0.9	0.9	09.0	09.0	09.0	09.0	09.0	09.0
09.9	09.0	975.0	975.0	09.0	09.0	09.0	99.0	0.9	0.9	09.0	09.0	09.0	09.0	09.0	09.0
09.9	09.0	975.0	975.0	09.0	09.0	09.0	99.0	0.9	0.9	09.0	09.0	09.0	09.0	09.0	09.0
09.9	09.0	975.0	975.0	09.0	09.0	09.0	99.0	0.9	0.9	09.0	09.0	09.0	09.0	09.0	09.0
0.7	12.4	1147.3	975.0	14.4	7.9	274.5	3.0	7.9	-0.5	274.5	316.7	7.7	09.0	0.0	000.
1.6	19.4	1404.1	975.0	12.1	5.5	274.5	4.9	4.9	0.0	274.5	316.7	6.7	09.0	0.0	25.
2.5	22.0	1459.7	975.0	11.5	3.6	246.7	6.2	5.6	2.7	300.7	317.5	6.0	09.0	0.0	40.
3.4	24.5	1515.4	975.0	9.6	1.4	243.1	7.2	4.4	2.5	301.4	316.5	5.4	09.0	0.0	52.
4.3	26.2	1574.5	975.0	9.1	-0.1	251.5	6.6	4.2	2.1	302.5	316.5	4.7	09.0	0.0	59.
5.4	28.4	1638.4	975.0	5.9	-0.7	241.5	5.6	4.9	2.7	303.7	316.5	4.5	09.0	0.0	60.
6.6	32.1	1724.9	975.0	2.1	-4.6	247.4	5.0	5.4	2.7	303.7	316.5	3.7	09.0	0.0	61.
7.6	34.9	1809.4	975.0	2.1	-5.3	242.3	7.3	5.5	2.9	304.4	316.5	3.1	09.0	0.0	62.
9.7	37.2	1902.3	975.0	-0.1	-5.9	230.9	4.0	4.6	1.8	305.5	316.1	1.6	09.0	0.0	63.
9.4	40.1	1903.1	975.0	-2.7	-5.7	216.4	5.1	3.0	4.1	305.9	316.3	3.6	09.0	0.0	64.
11.0	43.9	1913.7	975.0	-4.3	-5.1	213.7	4.5	2.6	5.4	307.7	316.9	3.1	09.0	0.0	65.
12.2	46.4	1935.7	975.0	-5.4	-13.2	220.4	9.1	6.0	7.1	307.7	316.6	2.3	09.0	0.0	66.
13.4	49.4	1959.1	975.0	-7.7	-23.4	225.8	7.1	6.5	4.3	311.0	315.1	1.3	09.0	0.0	67.
14.4	51.6	1972.4	975.0	-9.9	-23.4	224.6	7.5	5.4	5.2	312.4	315.7	1.0	09.0	0.0	68.
14.1	44.9	1970.3	975.0	-11.2	-23.6	214.9	0.7	5.2	7.5	313.0	314.5	1.1	09.0	0.0	69.
17.5	57.9	2013.4	975.0	-13.4	-27.4	217.3	12.4	7.9	9.9	313.2	314.5	0.7	09.0	0.0	70.
18.4	61.3	2010.4	975.0	-17.5	-26.7	221.7	13.8	9.1	10.4	314.6	314.7	0.7	09.0	0.0	71.
20.3	64.7	2012.7	975.0	-21.0	-27.1	210.5	13.0	7.1	12.0	315.9	319.9	0.9	09.0	0.0	72.
21.4	68.1	2013.5	975.0	-23.3	-25.1	190.7	14.0	3.3	17.7	319.1	322.9	1.2	09.0	0.0	73.
23.6	71.7	2024.3	975.0	-25.0	-25.5	184.4	14.4	1.9	23.3	320.1	322.9	0.9	09.0	0.0	74.
24.4	75.5	2024.5	975.0	-30.9	-35.3	145.0	24.4	2.2	24.5	320.7	322.4	0.5	09.0	0.0	75.
27.0	79.5	2024.5	975.0	-24.9	-26.0	180.4	24.3	0.2	24.3	323.0	323.0	0.4	09.0	0.0	76.
28.4	82.4	2024.0	975.0	-18.7	-42.4	149.0	24.9	-5.6	24.3	323.4	324.4	0.3	09.0	0.0	77.
30.7	87.7	2021.7	975.0	-41.9	50.4	149.7	34.7	-6.2	34.1	325.4	325.4	0.9	09.0	0.0	78.
33.9	92.4	2021.7	975.0	-44.5	99.9	173.2	44.4	-5.2	44.0	325.4	325.4	0.9	09.0	0.0	79.
34.0	95.2	2021.7	975.0	-42.4	99.9	173.4	43.0	-5.7	51.7	325.4	325.4	0.9	09.0	0.0	80.
37.1	102.3	2021.7	975.0	-44.4	99.9	173.2	51.7	-2.5	51.2	325.4	325.4	0.9	09.0	0.0	81.
42.4	109.9	2021.7	975.0	-56.5	99.9	182.2	31.0	1.2	31.5	325.4	325.4	0.9	09.0	0.0	82.
43.4	113.0	2021.7	975.0	-53.1	99.9	174.5	14.0	-0.2	19.0	325.4	325.4	0.9	09.0	0.0	83.
44.3	120.5	2021.7	975.0	-52.4	99.9	174.2	17.2	-0.5	17.1	325.4	325.4	0.9	09.0	0.0	84.
49.0	127.7	2021.7	975.0	-54.4	99.9	202.7	12.5	4.9	11.5	325.4	325.4	0.9	09.0	0.0	85.
54.7	135.4	2021.7	975.0	-57.2	99.9	184.0	8.4	0.6	8.4	417.3	325.4	0.9	09.0	0.0	86.
59.9	143.0	2021.7	975.0	-57.7	99.9	185.8	5.7	-1.4	5.5	452.0	325.4	0.9	09.0	0.0	87.
61.9	145.9	2021.7	975.0	-55.8	99.9	184.3	4.2	-0.2	-0.2	512.1	325.4	0.9	09.0	0.0	88.
91.5	145.0	2021.7	975.0	-52.1	99.9	999.9	999.9	99.9	99.9	634.9	325.4	0.9	09.0	0.0	89.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 4 DEG

STATION NO. 11031
MARSHALL SFC. ALABAMA

27 MAY 1977
1140 GMT

TIME MIN.	CNTCT	WFLGHT CPS	RPM'S MM	TEMP CG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	F POT T DG K	MX RTD GM/KG	RH PCY	RANGE KM	AZ DG
0.0	6.4	180.0	900.4	19.4	17.2	80.0	1.1	-3.1	-0.5	253.4	325.5	12.6	67.0	0.0	0.
0.0	6.0	180.0	1000.0	19.4	17.2	80.0	1.1	-3.1	-0.5	253.4	325.5	12.6	67.0	0.0	0.
0.0	6.0	180.0	1000.0	19.4	17.2	80.0	1.1	-3.1	-0.5	253.4	325.5	12.6	67.0	0.0	0.
0.6	7.7	180.0	975.0	17.5	16.0	107.4	6.0	-6.3	2.0	233.0	323.7	11.8	85.3	0.2	277.
1.5	9.4	180.0	950.0	16.0	15.1	126.4	6.1	-5.5	-4.4	231.5	322.2	11.4	82.6	0.6	286.
2.5	11.0	180.0	925.0	15.5	14.7	145.1	6.4	-5.6	-4.0	229.1	320.2	11.0	80.1	1.0	302.
3.3	14.1	180.0	900.0	13.7	12.9	161.2	10.7	-5.0	-3.0	225.4	323.2	10.5	75.9	1.6	312.
4.1	16.4	180.0	875.0	14.4	10.2	174.4	6.6	-3.0	-5.4	223.1	323.1	9.0	75.9	2.1	317.
5.1	18.5	180.0	850.0	13.5	9.4	184.4	7.1	-3.1	-2.3	219.9	322.8	8.4	74.9	2.3	318.
6.2	20.7	180.0	825.0	11.4	8.5	194.4	1.9	-1.9	-0.4	300.5	323.8	8.5	82.7	2.4	317.
7.1	22.0	180.0	800.0	9.7	6.4	204.4	3.4	-1.4	0.1	301.1	321.9	7.6	81.0	2.4	315.
8.2	25.1	180.0	775.0	7.4	4.8	214.4	5.3	-1.4	2.1	302.2	321.6	7.0	81.4	2.7	313.
9.2	27.7	180.0	750.0	6.7	2.7	224.4	4.8	-1.4	1.9	303.0	320.0	6.1	73.6	2.1	311.
10.4	29.2	180.0	725.0	4.9	0.1	234.4	4.5	-4.3	-0.5	304.4	320.0	5.3	70.9	3.4	309.
11.5	32.4	180.0	700.0	4.1	-0.5	244.4	3.7	-5.3	-0.5	307.4	322.2	5.1	68.4	3.2	308.
12.4	35.1	180.0	675.0	2.7	-2.2	254.4	6.4	-4.2	-2.4	304.4	322.7	4.9	70.2	3.9	302.
13.6	37.4	180.0	650.0	1.0	-4.2	264.4	7.4	-6.3	-3.9	310.1	322.2	4.3	65.5	4.2	260.
14.2	40.1	180.0	625.0	-1.7	-6.0	274.4	7.7	-5.6	-5.3	313.5	320.0	3.4	62.2	4.5	259.
14.6	42.7	180.0	600.0	-2.1	-10.1	284.4	7.2	-5.1	-5.1	313.0	322.5	3.0	63.9	4.8	252.
15.9	45.4	180.0	575.0	-3.5	-13.3	294.4	6.2	-4.0	-4.7	315.9	323.2	2.4	47.6	5.1	276.
17.1	48.1	180.0	550.0	-5.5	-15.0	304.4	4.9	-4.3	-3.4	317.5	324.5	2.2	46.8	5.4	272.
20.7	50.0	180.0	525.0	-7.4	-21.8	314.4	4.9	-4.3	-3.3	319.1	323.3	1.3	31.5	6.1	270.
22.5	53.9	180.0	500.0	-8.4	-22.0	324.4	12.7	-11.5	-5.2	322.4	324.2	0.5	13.1	7.2	266.
24.2	56.4	180.0	475.0	-11.4	-35.4	334.4	8.9	-7.7	-4.5	324.4	324.8	0.4	12.0	8.2	263.
25.0	59.0	180.0	450.0	-14.1	-37.4	344.4	5.7	-5.0	-2.9	324.2	325.4	0.3	12.8	8.9	261.
27.8	63.1	180.0	425.0	-18.4	-39.4	354.4	4.1	-3.0	-2.7	325.4	326.4	0.3	12.1	9.7	259.
29.4	64.7	180.0	400.0	-21.7	-35.4	364.4	4.2	-3.4	-1.4	327.4	325.0	0.5	25.0	10.2	250.
31.4	65.9	180.0	375.0	-25.4	-38.3	374.4	3.5	-2.5	-2.5	327.8	325.1	0.4	25.0	10.5	257.
33.4	73.3	180.0	350.0	-29.9	-42.3	384.4	1.6	-1.0	-1.9	328.5	325.5	0.3	28.3	10.9	256.
35.4	77.0	180.0	325.0	-34.0	-46.2	394.4	2.7	-2.1	-1.6	329.9	326.6	0.2	27.6	11.2	256.
37.4	80.3	180.0	300.0	-38.7	-50.2	404.4	2.8	-2.3	-1.5	330.4	331.3	0.1	26.4	11.4	255.
39.5	83.0	180.0	275.0	-43.0	-54.9	414.4	2.3	-1.7	-2.7	331.6	331.6	0.1	26.4	11.4	255.
41.9	87.2	180.0	250.0	-46.4	-59.9	424.4	0.3	-0.7	-4.0	332.8	332.8	0.1	26.4	11.4	255.
44.2	91.7	180.0	225.0	-51.1	-64.0	434.4	4.1	0.1	-4.1	334.1	334.1	0.1	26.4	11.4	255.
46.2	93.4	180.0	200.0	-55.1	-68.0	444.4	5.4	-4.6	-3.5	335.7	335.7	0.1	26.4	11.4	255.
48.7	103.4	180.0	175.0	-60.4	-72.3	454.4	3.2	1.6	-2.8	337.4	337.4	0.1	26.4	11.4	255.
51.1	108.9	180.0	150.0	-65.0	-76.9	464.4	4.2	2.1	-4.7	338.9	338.9	0.1	26.4	11.4	255.
53.7	114.5	180.0	125.0	-69.8	-81.4	474.4	5.4	3.4	-5.4	340.9	340.9	0.1	26.4	11.4	255.
56.1	120.5	180.0	100.0	-74.0	-85.9	484.4	5.5	0.9	-5.4	342.4	342.4	0.1	26.4	11.4	255.
58.7	126.0	180.0	75.0	-78.2	-90.4	494.4	7.2	-1.7	-2.7	344.4	344.4	0.1	26.4	11.4	255.
61.5	131.3	180.0	50.0	-82.4	-94.9	504.4	4.2	-1.6	-2.7	346.4	346.4	0.1	26.4	11.4	255.
64.2	141.5	180.0	25.0	-87.4	-99.9	514.4	4.3	-4.1	-1.2	348.6	348.6	0.1	26.4	11.4	255.

BY SPIN MEANS ELEVATION ANGLE BETWEEN A AND 10 DEG
BY TEMP MEANS TEMPERATURE IF TIME HAVE BEEN INTERPOLATED
BY SPIN MEANS ELEVATION ANGLE LESS THAN A DEG

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OF POOR QUALITY

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27 May 1977

1400 GMT

STATION NO. 126
CENTREVILLE, ALABAMA

27 MAY 1977
1500 GMT

TIME MIN.	CMTC	HEIGHT COM	PRES IN	TEMP IN C	DEW PT IN C	DIR IN	SPED M/SEC	U COMP M/SEC	V COMP M/SEC	DTY T DG K	E DUTY DG K	PR STD CM/SEC	CM MCT	RANGE NM	AZ DG
00	5.4	145.0	884.7	24.0	19.1	50.0	3.1	-2.4	-2.0	207.6	334.7	14.1	74.0	0.0	0.
01	99.3	100.0	1009.0	99.3	99.3	59.0	59.0	59.0	99.9	99.9	99.9	99.9	99.9	999.9	999.9
02	9.4	115.0	975.0	21.5	17.6	177.4	2.9	-2.1	2.0	295.9	316.0	15.0	86.6	0.1	264
03	10.4	100.0	975.0	19.0	15.1	177.4	2.3	-1.7	1.4	295.9	316.0	14.9	86.6	0.1	264
04	10.4	100.0	975.0	19.0	15.1	177.4	2.3	-1.7	1.4	295.9	316.0	14.9	86.6	0.1	264
05	13.2	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
06	13.2	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
07	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
08	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
09	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
10	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
11	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
12	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
13	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
14	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
15	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
16	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
17	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
18	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
19	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
20	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
21	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
22	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
23	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
24	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
25	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
26	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
27	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
28	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
29	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
30	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
31	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
32	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
33	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
34	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
35	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
36	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
37	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
38	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
39	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
40	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
41	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
42	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
43	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
44	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
45	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
46	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
47	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
48	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
49	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
50	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
51	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
52	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
53	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
54	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
55	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
56	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
57	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
58	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
59	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294
60	15.0	100.0	975.0	17.4	17.1	177.4	1.2	0.1	1.2	295.9	316.0	13.6	92.3	0.2	294

BY SPEED MEANS ELEVATION ANGLE BETWEEN 1 AND 10 DEG
BY TEMP MEANS TEMPERATURE OF TIME HAVE BEEN INTERPOLATED
BY 5V SPEED MEANS ELEVATION ANGLE LESS THAN 4 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 215
JACKSON, MISSISSIPPI

27 MAY 1977
1400 GMT

TIME MIN	CNTY	HEIGHT GPM	PRES MR	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PIT Y DG K	E POT Y DG K	AX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	6.1	100.0	955.7	24.4	19.5	330.0	1.5	0.9	-1.3	297.7	335.5	14.4	74.0	0.0	0.
0.9	9.9	99.9	1000.0	99.9	99.9	0.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	9.7	309.5	575.0	21.7	17.6	25.3	3.4	3.2	0.9	296.5	330.8	13.1	76.6	0.1	123.
1.5	11.2	475.5	940.0	22.5	15.8	247.9	4.1	4.1	0.2	300.1	334.2	12.4	70.0	0.3	82.
3.5	13.3	747.4	925.0	20.6	16.9	289.3	4.0	3.8	-1.3	300.4	335.7	13.3	75.4	0.5	92.
9.5	15.4	1004.2	900.0	19.5	15.3	287.4	4.5	4.3	-1.3	300.7	333.5	12.3	75.4	0.7	92.
4.5	19.2	1245.9	875.0	16.5	14.2	289.3	3.7	3.5	-1.2	300.9	332.4	11.7	86.2	1.0	101.
7.4	21.9	1492.5	850.0	15.0	11.2	278.6	2.1	2.1	-0.3	301.9	328.9	9.9	72.0	1.1	102.
4.5	24.6	1745.6	825.0	13.4	9.0	240.5	2.1	2.1	0.4	302.7	326.9	8.4	74.9	1.2	101.
7.6	27.3	2004.7	800.0	12.1	8.4	275.1	3.1	3.0	-0.3	305.1	328.2	8.7	78.3	1.4	98.
9.6	30.1	2270.3	775.0	10.3	5.0	307.1	3.4	2.7	-2.1	305.9	324.9	7.1	65.7	1.6	100.
9.7	33.2	2542.8	750.0	8.6	4.6	319.7	4.8	3.2	-3.6	305.0	326.0	7.1	75.0	1.8	105.
10.7	36.0	2821.0	725.0	7.6	3.7	326.4	5.6	3.2	-4.0	307.8	327.5	6.9	76.8	2.0	111.
11.9	39.0	3111.4	700.0	5.5	1.2	328.4	6.7	3.5	-5.7	308.7	326.4	6.1	74.0	2.4	117.
12.9	41.9	3408.7	675.0	3.9	-0.2	332.8	6.9	3.2	-6.2	310.0	326.2	5.6	74.0	2.8	122.
15.0	45.1	3714.7	650.0	1.8	-0.9	339.0	7.1	2.7	-6.6	311.1	327.2	5.5	61.2	3.2	126.
15.3	48.4	4030.2	625.0	-0.8	-2.5	341.4	7.1	2.3	-6.7	311.6	326.5	5.1	86.0	3.7	131.
15.5	51.4	4355.8	600.0	-1.7	-4.5	334.6	6.8	2.9	-6.2	314.1	324.4	3.4	55.8	4.2	135.
17.9	54.9	4694.5	575.0	-2.3	-13.4	324.2	5.9	3.4	-4.7	317.3	324.7	2.4	42.1	4.6	136.
19.4	58.0	5045.5	550.0	-4.0	-17.8	334.6	5.4	2.3	-4.9	319.3	324.8	1.7	33.1	5.1	137.
20.7	61.4	5412.5	525.0	-5.7	-22.6	330.3	5.9	2.9	-5.1	321.6	325.6	1.2	24.2	5.5	138.
22.1	65.1	5791.4	500.0	-9.0	-25.4	323.6	5.8	3.4	-4.7	323.3	326.6	1.0	23.0	6.1	139.
23.6	68.6	6190.0	475.0	-10.5	-30.8	329.8	5.6	3.2	-4.6	324.7	326.8	0.6	17.3	6.5	139.
25.1	72.2	6602.9	450.0	-14.2	-34.1	327.9	6.2	3.3	-5.3	325.4	327.0	0.5	16.5	7.1	140.
25.7	75.2	7031.7	425.0	-17.0	-41.4	313.2	5.3	3.9	-3.6	327.1	328.1	0.2	9.9	7.7	140.
28.4	80.1	7485.8	400.0	-20.5	-43.8	301.4	3.4	2.9	-1.8	328.4	329.1	0.2	10.3	8.4	140.
30.0	84.2	7959.6	375.0	-24.8	-46.9	284.5	5.2	4.9	-1.6	328.7	329.3	0.1	10.7	8.4	138.
31.8	88.2	8454.2	350.0	-29.1	-44.3	266.6	6.3	5.7	-2.8	330.8	331.5	0.2	15.6	9.0	137.
33.6	92.4	8955.2	325.0	-32.6	-47.5	306.8	6.2	4.9	-1.7	331.7	332.3	0.2	20.7	9.6	135.
35.6	97.2	9471.5	300.0	-37.4	-48.3	310.6	6.9	5.2	-4.5	332.7	333.3	0.2	30.4	10.4	135.
37.6	101.8	10135.8	275.0	-41.7	-49.9	297.7	8.4	7.5	-3.9	334.8	334.9	99.9	955.9	11.3	134.
40.0	107.2	10775.4	250.0	-47.2	-51.5	287.4	8.8	6.4	-2.6	335.9	335.9	99.9	999.9	12.4	132.
43.1	112.9	11411.1	225.0	-51.0	-51.0	275.3	9.7	7.7	-0.9	337.3	337.3	99.9	955.9	13.5	130.
46.7	117.8	12051.1	200.0	-58.0	-58.0	246.9	8.5	8.5	0.5	339.5	339.5	99.9	955.9	14.6	126.
47.5	120.0	12684.0	175.0	-63.0	-63.0	240.3	11.6	11.6	-2.1	343.0	343.0	99.9	999.9	15.9	123.
50.5	130.3	13684.4	150.0	-64.9	-64.9	286.1	10.9	7.6	-5.1	350.3	350.3	99.9	955.9	18.2	121.
54.3	136.8	15108.2	125.0	-62.9	-62.9	286.1	7.3	7.0	-2.0	381.1	381.1	99.9	955.9	20.2	121.
58.7	143.1	16444.0	100.0	-62.2	-62.2	323.4	5.5	3.3	-4.5	407.5	407.5	99.9	955.9	21.7	120.
60.3	150.1	18443.4	75.0	-65.4	-65.4	43.2	2.8	-3.8	-0.2	435.7	435.7	99.9	955.9	21.8	123.
71.5	157.5	23752.7	50.0	-58.0	-58.0	86.6	4.9	-4.9	-0.3	507.1	507.1	99.9	999.9	21.0	124.
93.2	165.0	25157.4	25.0	-49.9	-49.9	999.9	999.9	99.9	99.9	641.2	641.2	99.9	999.9	17.0	133.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 240
 LAKE CHARLES, LOUISIANA

 27 MAY 1977
 1400 GMT

159 11. 6

TIME MIN	CNTCT	HEIGHT GPM	PRFS WS	TEMP DG C	DEW PT DG C	DIR DG	SPED M/SEC	U COMP M/SEC	V COMP M/SEC	PST T DG K	E POT Y DG K	PX WTD GM/KG	RM PCT	RANGE KM	AZ DG
0.0	5.2	5.0	1010.2	25.0	21.1	310.0	3.1	2.4	-2.0	297.3	338.6	15.8	79.0	0.0	0.
0.2	5.9	94.2	1000.0	23.5	19.5	999.9	99.9	99.9	99.9	296.7	338.4	14.8	80.1	559.5	955.0
1.2	5.1	715.7	975.0	22.7	18.2	999.9	999.9	99.9	99.9	297.6	333.4	13.6	77.7	559.5	955.0
2.2	10.1	542.3	950.0	22.1	16.9	999.9	999.9	99.9	99.9	299.7	333.9	12.9	72.3	559.5	955.0
3.1	12.5	774.7	925.0	21.1	14.4	999.9	999.9	99.9	99.9	300.9	331.2	11.3	65.6	959.9	955.0
4.0	13.7	1011.4	900.0	19.9	13.3	999.9	999.9	99.9	99.9	301.9	331.1	10.8	66.5	0.7	119.
5.0	15.5	1233.7	875.0	17.4	12.7	315.8	3.7	2.6	-2.7	302.0	330.6	10.7	77.5	6.5	120.
5.1	15.7	1500.0	850.0	15.7	11.4	326.1	4.4	2.4	-3.6	302.2	329.6	10.1	77.4	1.1	125.
7.1	21.5	1759.0	825.0	14.1	7.5	326.2	5.0	2.0	-4.6	303.5	328.9	8.0	64.5	1.4	130.
8.2	24.9	2013.4	800.0	13.0	3.0	328.7	5.6	2.0	-5.2	305.0	321.9	6.0	50.5	1.7	136.
9.3	28.3	2250.0	775.0	12.1	2.1	325.3	6.3	3.6	-5.2	308.9	323.3	5.8	50.3	2.1	139.
10.4	28.9	2554.4	750.0	11.0	-0.0	322.5	6.4	4.1	-5.4	304.5	323.3	5.1	46.6	2.3	135.
11.5	31.5	2854.8	725.0	9.9	-2.5	322.5	7.4	3.3	-5.6	310.3	323.2	4.4	41.8	3.0	141.
12.6	34.2	3127.7	700.0	8.4	-12.3	322.5	7.4	3.4	-5.8	311.4	318.4	2.1	21.6	3.6	146.
13.8	36.6	3457.4	675.0	6.9	-7.5	341.1	10.3	3.3	-9.7	313.4	323.2	3.3	32.6	4.2	146.
15.0	39.4	3734.5	650.0	5.3	-7.5	324.0	11.6	5.1	-10.5	315.0	325.2	3.4	33.7	4.9	148.
16.2	42.0	4055.5	625.0	2.8	-6.6	327.1	11.9	6.5	-10.0	315.7	327.0	3.7	45.9	5.6	148.
17.5	45.9	4344.8	600.0	0.0	-8.6	326.3	11.1	6.1	-9.2	316.2	326.4	3.3	42.2	6.6	148.
18.9	47.9	4734.5	575.0	-2.7	-8.6	325.3	10.2	5.8	-8.4	316.9	327.5	3.5	43.5	7.6	148.
20.5	50.4	5075.5	550.0	-5.6	-10.8	327.8	9.0	4.8	-7.5	317.4	328.9	3.1	47.1	8.6	148.
21.0	53.8	5419.6	525.0	-9.2	-13.0	320.9	9.3	5.3	-6.5	318.5	328.9	2.7	68.4	9.2	147.
23.2	56.8	5814.1	500.0	-10.5	-14.7	303.1	8.0	7.0	-4.0	320.2	326.8	2.1	60.4	9.9	146.
25.4	60.1	6233.7	475.0	-13.5	-20.2	283.1	10.0	9.7	-2.3	321.2	326.5	1.6	57.1	10.5	144.
26.4	63.6	6619.6	450.0	-15.1	-23.1	280.5	12.4	12.2	-2.3	323.0	327.4	1.3	54.9	11.3	140.
28.0	65.9	7045.8	425.0	-15.0	-27.5	277.0	12.4	12.3	-1.5	324.6	327.8	0.9	46.7	12.3	126.
29.8	70.5	7456.0	400.0	-21.9	-28.5	274.0	11.7	11.7	-0.8	326.5	328.5	0.9	53.0	13.3	132.
31.4	74.1	7867.9	375.0	-25.1	-34.2	277.9	11.8	11.7	-1.6	328.3	330.3	0.6	42.4	14.3	130.
33.3	78.0	8444.1	350.0	-25.0	-42.0	240.8	11.4	11.2	-2.1	329.7	330.7	0.3	27.0	15.4	127.
35.2	81.0	9030.9	325.0	-23.9	-40.7	273.0	11.5	11.5	-0.6	330.1	331.3	0.3	48.3	16.5	125.
37.2	84.2	9545.2	300.0	-19.3	-45.5	264.7	10.4	10.3	1.0	331.5	332.2	0.2	45.4	17.5	123.
39.1	87.7	10177.7	275.0	-43.1	99.9	255.9	12.2	11.8	3.0	332.8	999.9	99.9	999.9	18.5	120.
41.4	95.5	10773.4	250.0	-48.0	99.9	250.2	14.9	17.4	6.4	334.8	999.9	99.9	999.9	19.9	115.
43.7	101.6	11431.6	225.0	-53.9	99.9	251.2	16.2	15.3	5.2	337.7	999.9	99.9	999.9	22.1	110.
45.5	106.0	12117.3	200.0	-57.0	99.9	246.3	13.1	12.0	5.3	342.5	999.9	99.9	999.9	23.7	107.
48.4	111.9	13049.3	175.0	-61.7	99.9	255.7	14.7	14.2	3.7	349.1	999.9	99.9	999.9	25.4	103.
50.9	119.4	14057.4	150.0	-63.9	99.9	274.5	15.1	14.9	-3.5	353.2	999.9	99.9	999.9	28.4	102.
54.4	125.5	15115.0	125.0	-64.4	99.9	294.6	12.4	11.1	-5.5	373.4	999.9	99.9	999.9	31.7	103.
51.4	132.1	14480.1	100.0	-64.4	99.9	294.6	4.1	3.7	-1.8	403.3	999.9	99.9	999.9	32.5	104.
47.0	141.0	18279.4	75.0	-64.2	99.9	300.2	3.7	3.2	-1.9	439.3	999.9	99.9	999.9	34.1	105.
74.8	143.8	20744.2	50.0	-59.1	99.9	359.5	5.0	0.1	-5.0	504.4	999.9	99.9	999.9	35.5	106.
37.1	152.0	25204.1	25.0	-45.1	99.9	999.9	999.9	99.9	92.9	643.5	999.9	99.9	999.9	39.3	106.

 * BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 * BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 247
LONGVIEW, TEXAS

27 MAY 1977
1415 GMT

TIME MIN	CNTCY	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MR RTO GPM/KG	SH FCT	RANGE KM	AZ DG
0.0	7.0	124.0	994.9	24.4	19.6	170.0	2.1	1.1	-1.8	207.9	333.9	13.7	70.0	0.0	0.
00.9	99.0	33.0	1000.0	90.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.9	999.9
0.6	9.2	318.3	975.0	22.4	16.6	164.7	4.6	-1.1	4.5	297.7	330.3	12.3	55.6	0.1	256.
1.4	11.4	544.7	950.0	22.3	14.7	157.6	3.7	-1.4	3.4	299.8	329.8	11.2	62.3	0.2	326.
2.1	13.9	774.3	925.0	20.6	14.2	164.1	3.0	-0.9	2.9	300.1	330.1	11.1	66.6	0.4	331.
2.9	14.7	1017.4	900.0	19.6	12.5	163.6	2.2	-0.6	2.1	300.1	328.3	10.2	67.2	0.5	338.
3.7	16.9	1294.1	875.0	18.9	11.5	164.7	1.1	0.1	1.1	301.3	328.0	9.8	70.5	0.6	336.
4.6	21.2	1501.0	850.0	18.1	9.0	177.1	0.5	-0.0	0.5	302.5	326.4	8.5	70.1	0.6	338.
5.6	27.0	1753.5	825.0	17.1	9.1	181.9	1.0	0.0	1.0	303.5	326.8	8.9	70.7	0.6	338.
7.0	20.4	2012.5	800.0	12.3	6.2	257.0	1.2	3.0	0.9	304.3	325.3	7.6	67.2	0.7	344.
7.9	31.9	2255.2	775.0	13.7	-5.3	280.6	4.2	4.1	-0.8	309.1	318.0	3.3	26.9	0.7	1.
9.7	34.7	2493.7	725.0	10.7	-8.4	290.6	8.2	7.3	-3.6	310.4	319.0	2.7	21.4	0.6	29.
9.7	37.7	2733.7	700.0	10.7	-8.6	310.6	10.5	9.0	-6.9	311.2	320.8	2.2	25.0	0.8	71.
10.7	40.2	2974.5	675.0	8.0	-5.1	317.9	11.4	7.6	-9.4	311.3	322.5	3.7	29.0	1.2	100.
11.7	43.0	3215.7	650.0	5.8	-5.1	317.3	11.5	7.4	-9.4	312.1	323.4	3.9	45.5	1.4	113.
12.7	46.0	3456.7	625.0	3.8	-2.6	309.2	11.6	9.0	-7.3	313.3	324.4	3.7	42.8	2.4	115.
13.9	49.1	3697.9	600.0	-1.5	-10.6	292.7	11.0	9.5	-5.5	313.6	324.1	3.5	52.6	3.1	120.
14.2	55.3	3938.7	575.0	-4.0	-12.3	267.1	10.2	9.1	-5.3	314.2	322.8	2.8	45.4	3.5	120.
15.5	58.4	4179.4	550.0	-5.8	-14.7	285.0	10.2	9.7	-4.6	315.3	323.3	2.6	52.3	4.5	120.
16.5	61.0	4420.3	525.0	-9.3	-15.3	278.7	10.7	10.6	-3.0	317.1	324.3	2.2	61.7	5.3	119.
17.5	64.7	4661.2	500.0	-11.0	-13.3	268.4	10.2	10.2	0.3	318.6	324.4	1.8	58.6	6.7	117.
18.9	65.7	4902.1	475.0	-15.0	-19.1	245.8	11.4	11.2	3.2	319.4	325.1	1.8	70.7	7.5	111.
20.3	74.2	5143.0	450.0	-17.7	-21.5	245.6	12.1	11.1	4.8	321.0	325.9	1.3	76.0	8.2	107.
21.3	75.4	5383.9	425.0	-21.2	-24.3	249.8	13.6	12.7	4.7	321.8	326.0	1.3	76.0	9.0	103.
22.7	80.1	5624.8	400.0	-24.4	-26.4	244.4	14.9	14.9	4.2	323.2	326.8	0.5	34.4	10.4	95.
23.4	84.0	5865.7	375.0	-27.8	-28.7	250.1	15.3	14.3	4.2	325.2	326.0	0.2	21.8	11.7	95.
24.7	88.2	6106.6	350.0	-31.4	-30.9	240.7	14.4	13.7	3.3	326.4	327.0	0.2	15.8	13.1	52.
26.0	92.5	6347.5	325.0	-35.0	-34.6	245.4	12.0	10.7	3.0	327.8	328.2	0.1	15.5	14.3	30.
27.3	97.2	6588.4	300.0	-40.2	-39.9	223.8	10.1	7.0	3.0	328.8	329.9	55.9	955.5	15.3	88.
28.7	102.0	6829.3	275.0	-43.9	-39.9	187.3	9.9	1.6	7.9	331.5	329.9	99.9	999.9	15.2	84.
29.7	107.4	7070.2	250.0	-47.1	-39.9	164.0	9.3	2.4	9.7	333.0	329.9	99.9	999.9	16.1	80.
31.0	112.5	7311.1	225.0	-51.1	-39.9	219.8	7.4	4.7	5.8	337.1	329.9	99.9	999.9	16.9	75.
32.4	117.9	7552.0	200.0	-54.6	-39.9	210.1	8.9	4.8	5.6	343.1	329.9	99.9	999.9	17.9	75.
33.8	123.4	7792.9	175.0	-58.2	-39.9	213.7	14.3	13.7	4.0	347.6	329.9	99.9	999.9	19.3	72.
35.2	128.9	8033.8	150.0	-61.8	-39.9	213.7	7.4	9.0	-2.7	351.2	329.9	99.9	999.9	21.2	76.
36.6	134.4	8274.7	125.0	-65.4	-39.9	213.7	6.2	4.4	-1.1	353.1	329.9	99.9	999.9	23.3	77.
38.0	139.9	8515.6	100.0	-69.0	-39.9	213.7	6.3	4.4	-1.1	353.1	329.9	99.9	999.9	25.0	75.
39.4	145.4	8756.5	75.0	-72.6	-39.9	11.4	6.3	-1.2	-5.1	437.1	329.9	99.9	999.9	25.0	83.
40.8	150.9	9000.0	50.0	-76.2	-39.9	40.5	5.4	-5.3	-0.9	500.9	329.9	99.9	999.9	22.9	83.
42.2	156.4	9243.9	25.0	-79.8	-39.9	99.8	9.5	-9.4	1.6	642.9	329.9	99.9	999.9	18.3	85.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN A AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 215
VICTORIA, TEXAS27 MAY 1967
1400 GMT

TIME MIN	CNTCT	HEIGHT GCM	PREC MR	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	P-W T DG K	E POT Y DG K	MX PTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.1	77.0	1009.0	24.0	22.0	180.0	1.0	3.0	1.0	247.4	341.1	16.8	64.6	0.6	0.
0.1	7.4	103.2	1000.3	23.9	21.7	999.9	99.9	52.9	99.9	237.0	340.2	16.6	65.2	999.9	999.9
1.2	9.0	724.8	975.0	22.3	20.4	999.9	999.0	42.9	99.9	247.6	338.5	15.7	65.8	999.9	999.9
2.0	11.8	531.1	950.0	20.2	19.0	999.9	999.0	44.9	99.9	247.7	336.4	14.8	62.8	999.9	999.9
2.9	14.0	741.4	925.0	19.7	17.6	174.6	5.1	-0.4	99.9	249.4	334.0	13.8	53.2	0.7	2.
3.9	16.0	1017.0	900.0	18.2	7.0	152.6	5.4	-2.5	5.0	101.0	321.5	7.5	48.8	1.0	357.
4.4	19.1	1240.1	875.0	17.4	7.5	113.0	7.0	-4.6	5.2	102.3	322.9	7.5	50.7	1.3	368.
5.4	20.5	1408.9	850.0	16.9	6.9	137.6	7.0	-4.7	5.2	103.9	324.4	7.4	51.7	1.6	381.
6.6	22.7	1741.0	825.0	15.9	4.0	143.2	4.7	-2.4	4.0	105.4	323.0	6.2	45.2	1.9	337.
7.6	25.1	2022.1	800.0	14.5	-2.0	196.6	3.4	3.4	2.7	107.4	316.7	4.1	30.0	2.1	338.
8.4	27.3	2290.4	775.0	14.2	-3.7	235.0	3.4	2.4	2.4	109.1	317.3	2.7	26.7	2.2	342.
9.7	29.4	2545.0	750.0	14.2	-13.8	243.4	3.7	3.4	1.5	112.1	317.6	1.8	13.0	2.3	347.
10.7	32.3	2842.4	725.0	13.4	-4.8	252.7	5.7	5.4	1.7	114.2	323.9	3.7	24.0	2.3	344.
11.7	34.9	3143.1	700.0	10.9	-3.7	250.7	6.6	6.5	1.1	114.6	327.1	4.2	25.7	2.4	2.
12.9	37.3	3443.4	675.0	8.9	-1.0	271.7	7.2	7.2	-0.5	115.5	320.2	4.6	43.3	2.5	14.
14.1	40.1	3759.7	650.0	6.1	-3.7	280.4	4.7	8.0	-1.5	115.9	329.4	4.5	46.2	2.6	26.
15.2	42.4	4070.9	625.0	3.2	-3.7	286.4	4.6	4.2	-2.4	115.2	330.2	4.7	60.2	2.8	36.
16.4	45.5	4436.4	600.0	0.4	-6.1	291.0	4.5	7.9	-3.2	116.5	328.8	4.1	62.0	3.1	45.
17.7	49.5	4749.4	575.0	-2.4	-7.8	294.5	9.2	4.4	-1.0	115.9	324.2	3.7	67.7	3.4	56.
19.0	51.2	5120.3	550.0	-5.0	-8.7	296.4	10.6	10.6	-4.0	117.9	327.4	2.6	60.8	3.9	46.
20.4	54.4	5452.9	525.0	-6.4	-11.3	297.8	11.9	11.8	-4.0	117.1	325.6	1.9	60.2	4.5	76.
21.8	57.3	5749.5	500.0	-11.3	-17.5	277.8	12.1	12.1	1.1	120.5	326.0	1.5	65.5	5.5	82.
23.2	60.6	6048.4	475.0	-13.4	-20.7	264.4	12.2	12.1	-0.1	122.4	324.1	0.4	15.2	7.5	82.
24.7	63.3	6349.0	450.0	-14.3	-31.6	270.4	12.4	13.4	-4.7	125.0	327.0	0.1	3.8	8.7	80.
26.3	67.3	6649.4	425.0	-14.7	-41.1	283.3	14.2	13.4	-13.3	126.9	325.3	0.1	4.6	10.1	51.
27.9	70.4	6949.0	400.0	-21.4	-51.5	303.7	14.5	14.4	-13.3	129.1	325.4	0.1	6.1	11.7	97.
29.5	74.5	7249.1	375.0	-25.3	-62.1	309.2	15.0	14.0	-13.3	129.1	325.4	0.0	7.5	13.4	101.
31.1	78.5	7549.4	350.0	-29.5	-72.2	309.7	15.0	14.0	-13.3	129.1	325.4	0.0	8.0	15.3	105.
32.9	82.4	7849.0	325.0	-34.1	-82.1	314.5	15.0	14.0	-13.3	129.1	325.4	0.0	9.0	17.6	109.
34.8	86.4	8149.4	300.0	-39.4	-92.1	314.5	15.0	14.0	-13.3	129.1	325.4	0.0	9.0	20.5	113.
36.9	91.2	8449.4	275.0	-42.5	-102.1	314.5	15.0	14.0	-13.3	129.1	325.4	0.0	9.0	23.7	117.
39.1	95.4	8749.4	250.0	-47.4	-112.1	314.5	15.0	14.0	-13.3	129.1	325.4	0.0	9.0	26.6	119.
41.5	100.4	9049.4	225.0	-52.4	-122.1	314.5	15.0	14.0	-13.3	129.1	325.4	0.0	9.0	30.7	116.
44.0	105.4	9349.4	200.0	-57.4	-132.1	314.5	15.0	14.0	-13.3	129.1	325.4	0.0	9.0	35.9	121.
47.0	112.7	9649.4	175.0	-62.4	-142.1	314.5	15.0	14.0	-13.3	129.1	325.4	0.0	9.0	41.4	122.
50.3	117.4	9949.4	150.0	-67.4	-152.1	314.5	15.0	14.0	-13.3	129.1	325.4	0.0	9.0	46.1	123.
53.7	124.7	10249.4	125.0	-72.4	-162.1	314.5	15.0	14.0	-13.3	129.1	325.4	0.0	9.0	50.8	124.
57.7	131.3	10549.4	100.0	-77.4	-172.1	314.5	15.0	14.0	-13.3	129.1	325.4	0.0	9.0	55.5	125.
61.7	138.0	10849.4	75.0	-82.4	-182.1	314.5	15.0	14.0	-13.3	129.1	325.4	0.0	9.0	60.7	126.
65.7	144.0	11149.4	50.0	-87.4	-192.1	314.5	15.0	14.0	-13.3	129.1	325.4	0.0	9.0	65.9	127.
69.7	150.0	11449.4	25.0	-92.4	-202.1	314.5	15.0	14.0	-13.3	129.1	325.4	0.0	9.0	71.3	128.
73.7	153.7	11749.4	25.0	-97.4	-212.1	314.5	15.0	14.0	-13.3	129.1	325.4	0.0	9.0	76.9	129.
77.7	157.4	12049.4	25.0	-102.4	-222.1	314.5	15.0	14.0	-13.3	129.1	325.4	0.0	9.0	82.5	130.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 4 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 261
 DFL RIO, TEXAS

 27 MAY 1977
 1400 GMT

TIME MIN	CNTCT	WIGHT GDB	PRES MM	TEMP DG C	NEW PT NG C	DIR DG	SPEED W/SEC	U COMP W/SEC	V COMP W/SEC	ROT Y DG K	E PUT Y DG K	MAX RTO CM/SEC	EM FCY	RANGE KM	AZ DG
0.0	9.0	714.0	972.9	22.6	19.9	110.0	4.6	-8.3	1.4	209.1	338.2	15.3	25.0	0.0	0.
0.9	9.0	90.9	1003.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	9.0	90.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	9.0	922.1	950.0	20.9	19.9	143.7	4.7	-3.8	4.9	234.5	339.5	15.7	95.5	0.0	318.
1.0	13.0	722.8	925.0	18.8	19.1	155.2	6.5	-7.7	5.0	234.5	336.1	14.3	59.5	0.0	318.
1.0	13.0	909.4	900.0	10.0	19.2	140.4	4.5	0.7	4.5	101.1	340.7	14.9	52.2	1.1	228.
3.0	15.1	909.4	900.0	10.0	19.2	140.4	4.5	0.7	4.5	101.1	340.7	14.9	52.2	1.1	228.
5.0	17.3	1233.7	975.0	17.9	17.2	173.0	4.3	-0.7	5.3	322.4	340.6	14.3	95.3	1.3	236.
5.1	19.4	1411.3	950.0	17.1	15.3	144.0	5.4	-1.4	5.7	304.1	341.7	13.9	52.2	1.7	237.
9.0	21.4	1775.7	925.0	16.0	12.6	191.5	4.5	2.0	9.3	305.5	336.7	11.4	60.8	2.1	242.
7.1	24.0	1933.3	900.0	15.7	11.1	221.4	4.6	5.7	6.5	309.0	326.2	10.5	65.4	2.5	252.
9.2	26.2	2270.2	775.0	15.4	6.4	255.9	5.1	4.9	1.2	311.7	334.2	7.4	51.1	2.8	265.
9.4	26.7	2443.5	750.0	15.0	1.1	274.7	4.5	4.3	1.3	313.3	330.3	5.0	36.6	2.8	265.
10.7	31.2	2877.0	725.0	15.0	-4.1	274.4	4.5	3.7	2.7	316.0	327.8	3.9	26.3	3.0	11.
11.0	31.8	3172.4	700.0	12.4	-8.2	244.8	4.4	4.0	1.0	316.4	325.5	2.9	22.5	2.3	15.
11.1	30.2	3475.6	675.0	9.4	-9.7	251.8	4.3	4.1	1.3	316.6	325.1	2.7	24.2	3.5	20.
14.3	34.9	3787.5	650.0	6.7	-9.6	245.6	3.7	3.6	0.9	315.5	325.4	2.9	26.2	3.6	24.
15.5	41.5	4058.7	600.0	4.0	-10.5	254.4	5.1	4.0	1.3	317.0	325.9	2.9	35.3	3.8	27.
15.7	44.4	4399.4	600.0	0.0	-10.5	254.4	7.7	7.5	1.4	317.2	326.1	2.9	42.1	4.1	32.
19.0	47.7	4718.8	475.0	-2.2	-11.3	258.7	11.0	10.4	2.2	317.5	326.1	2.9	46.4	4.7	38.
19.3	50.1	5000.1	450.0	-5.4	-11.3	261.4	13.0	13.7	2.1	317.7	326.8	2.3	52.1	5.4	43.
20.7	53.1	5437.9	425.0	-8.2	-13.3	272.0	14.5	14.6	-0.5	317.4	325.6	2.6	72.7	6.4	52.
22.5	56.1	5829.0	400.0	-9.7	-14.2	267.0	13.9	12.4	-6.3	321.2	322.2	0.3	7.6	7.4	61.
24.1	57.4	6224.9	475.0	-10.9	-14.0	201.0	15.4	12.9	-4.4	324.5	325.2	0.2	5.6	8.2	70.
24.7	52.9	6458.1	400.0	-13.4	-14.2	202.3	15.4	13.0	-4.2	326.4	327.3	0.2	6.2	9.2	77.
27.4	64.1	7059.8	425.0	-17.2	-14.2	304.6	15.3	12.4	-3.0	326.9	327.6	0.2	6.2	10.3	84.
29.2	69.9	7520.0	400.0	-21.3	-14.2	309.2	17.6	13.4	-10.1	327.4	327.6	0.2	10.2	11.6	90.
31.2	73.7	8031.3	375.0	-24.8	-17.0	313.2	17.9	13.0	-11.1	328.8	320.4	0.1	10.5	13.3	95.
34.2	77.3	8501.4	325.0	-28.7	-17.0	314.2	17.9	14.3	-12.2	330.5	320.5	0.1	11.5	15.0	100.
35.2	81.3	9017.5	325.0	-32.9	-17.0	314.2	17.9	14.3	-13.9	331.5	331.9	0.1	12.1	17.0	104.
37.4	85.6	9475.6	300.0	-37.3	-17.0	314.2	22.7	18.4	-16.9	332.7	333.1	0.1	17.4	19.3	109.
39.7	92.0	10170.0	275.0	-42.0	-17.0	315.6	23.4	16.0	-16.7	334.3	333.1	0.1	17.4	19.3	109.
42.2	95.0	10497.9	250.0	-47.5	-17.0	309.1	20.4	15.5	-12.6	335.5	333.1	0.1	17.4	19.3	109.
44.8	103.0	11437.7	225.0	-51.7	-17.0	297.3	18.9	17.5	-7.2	339.3	333.1	0.1	17.4	19.3	109.
47.4	104.5	12211.6	200.0	-57.5	-17.0	271.8	22.5	22.5	-0.7	341.7	333.1	0.1	17.4	19.3	109.
50.8	111.7	13036.4	175.0	-60.7	-17.0	282.9	27.4	27.4	-6.1	349.7	333.1	0.1	17.4	19.3	109.
54.3	114.3	14044.4	150.0	-62.3	-17.0	294.9	23.0	21.0	-9.3	352.7	333.1	0.1	17.4	19.3	109.
59.3	125.4	14139.1	125.0	-64.3	-17.0	297.1	19.6	17.5	-8.9	358.8	333.1	0.1	17.4	19.3	109.
64.2	134.7	15506.4	100.0	-64.5	-17.0	312.6	7.6	7.0	-4.5	363.4	333.1	0.1	17.4	19.3	109.
67.0	143.0	16229.4	75.0	-66.4	-17.0	301.1	3.8	-1.3	-3.6	433.3	333.1	0.1	17.4	19.3	109.
70.1	152.3	20728.0	50.0	-60.3	-17.0	77.7	7.1	-0.9	-1.8	501.4	333.1	0.1	17.4	19.3	109.
90.0	142.0	25104.3	25.0	-62.0	-17.0	99.9	99.9	99.9	99.9	635.2	333.1	0.1	17.4	19.3	109.

 * BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 365
MIDLAND, TEXAS

27 MAY 1977
1400 GMT

TIME MIN	CNTCT	HEIGHT CM	PCFS MM	TEMP DEG C	DEW PT DEG C	DIR DS	SPD W/SEC	U COMP W/SEC	V COMP W/SEC	PST T DEG K	E POT V DEG K	MX RTO CM/KG	RM FCT	RANGE KM	AZ DEG
0.0	14.7	877.0	911.1	23.9	17.9	210.3	5.2	2.6	4.5	305.1	343.8	14.3	65.0	0.0	0.
07.0	09.0	70.0	1003.0	99.0	99.0	97.3	09.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
08.0	09.2	00.3	578.0	59.0	04.2	00.9	01.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
09.0	09.3	00.0	750.0	99.0	00.6	00.0	00.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
09.5	09.9	00.0	025.0	99.0	00.9	00.0	00.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
10.5	15.5	092.1	000.3	23.1	05.5	214.4	5.7	3.5	4.5	305.1	343.8	14.3	65.0	0.0	0.
1.5	17.9	1227.8	877.3	20.7	19.0	224.6	7.0	2.0	2.8	305.1	343.8	14.3	65.0	0.0	0.
2.7	20.4	1499.8	840.0	22.7	11.3	284.3	7.2	5.0	2.0	305.1	343.8	14.3	65.0	0.0	0.
3.7	22.6	1719.8	825.0	21.6	1.4	251.5	5.3	4.8	-2.1	310.0	326.5	10.6	51.6	0.1	26.
4.9	25.2	2034.4	800.0	10.6	-1.2	281.7	4.8	6.6	-1.6	312.0	326.5	10.6	51.6	0.1	26.
5.9	27.5	2278.1	772.0	14.9	-2.1	281.7	7.0	6.8	-1.6	312.0	326.5	10.6	51.6	0.1	26.
7.0	30.3	2554.2	720.0	14.1	-2.4	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
8.2	32.3	2833.8	720.0	11.2	-3.6	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
9.5	34.5	3130.4	700.0	9.1	-6.3	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
10.8	36.8	3430.2	675.0	6.5	-6.9	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
11.8	38.9	3730.4	650.0	7.0	-8.0	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
12.9	41.5	4030.4	625.0	7.0	-8.0	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
14.2	43.5	4330.4	600.0	2.4	-8.4	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
15.5	45.4	4630.4	575.0	-0.5	-8.4	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
16.8	47.1	4930.4	550.0	-3.7	-10.1	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
18.2	48.8	5230.4	525.0	-5.8	-14.5	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
19.6	50.3	5530.4	500.0	-7.4	-19.5	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
21.3	51.6	5830.4	475.0	-9.7	-24.6	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
23.0	53.0	6130.4	450.0	-10.8	-35.5	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
24.7	54.3	6430.4	425.0	-14.1	-35.1	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
26.7	55.7	6730.4	400.0	-17.4	-37.3	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
28.0	57.4	7030.4	375.0	-21.4	-36.0	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
29.8	59.3	7330.4	350.0	-25.6	-43.0	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
31.6	61.0	7630.4	325.0	-28.7	-44.4	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
33.4	62.0	7930.4	300.0	-32.8	-45.8	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
35.5	63.5	8230.4	275.0	-38.2	-51.8	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
37.4	65.0	8530.4	250.0	-42.8	-59.5	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
40.0	66.0	8830.4	225.0	-48.1	-69.9	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
42.5	67.5	9130.4	200.0	-52.1	-59.9	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
45.4	69.4	9430.4	175.0	-56.8	95.5	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
48.4	71.8	9730.4	150.0	-59.3	99.9	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
51.1	73.7	10030.4	125.0	-65.1	99.9	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
54.0	75.0	10330.4	100.0	-67.1	99.9	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
57.1	76.5	10630.4	75.0	-64.1	95.5	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
60.4	78.4	10930.4	50.0	-57.4	99.9	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.
62.9	80.3	11230.4	25.0	-49.4	99.9	281.7	7.7	7.5	-1.5	312.0	326.5	10.6	51.6	0.1	26.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN A AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION N10 227
 NASHVILLE, TENNESSEE

 27 MAY 1977
 1500 GMT

TIME MIN	CNTCT	HEIGHT GND	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPED M/SEC	U COMP 4/SEC	V COMP M/SEC	PNT T DEG K	F PCT V DEG K	MR PTD CM/SEC	RH PCT	RANGE KM	AZ DEG
0.0	7.5	190.0	991.5	25.4	18.1	100.0	5.3	0.9	5.2	270.3	334.6	13.3	64.0	0.0	0.0
00.0	00.0	00.0	1000.0	09.0	09.0	09.0	99.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9
0.0	0.0	324.0	575.0	22.4	16.2	162.1	4.5	-1.4	4.3	297.6	328.3	12.0	68.0	0.3	24.0
0.0	11.1	552.0	950.0	10.5	15.6	167.2	5.1	-1.1	5.0	297.0	328.2	11.8	77.0	0.3	34.0
4.2	13.4	741.0	925.0	17.5	15.0	171.1	5.5	-0.9	5.4	297.0	327.9	11.7	66.4	1.3	24.0
4.4	15.4	1015.0	900.0	14.4	11.5	140.5	5.9	-2.5	5.1	298.4	324.6	9.0	74.9	1.7	24.0
4.4	17.9	1255.7	875.0	15.7	9.8	140.5	5.2	-2.5	4.0	300.1	323.9	8.7	67.0	2.0	34.0
7.4	20.3	1501.7	850.0	14.2	8.1	117.1	5.7	-5.2	3.2	301.1	322.1	8.0	66.0	2.3	34.0
9.5	23.5	1751.9	825.0	13.8	4.9	91.9	6.7	-6.7	0.2	303.2	321.6	6.6	56.0	2.5	34.0
9.5	25.1	2012.9	800.0	12.1	2.5	78.7	7.2	-7.1	-1.4	304.1	320.3	5.7	51.6	2.7	32.0
10.4	27.4	2273.4	775.0	10.4	2.8	71.8	8.7	-7.8	-2.3	304.9	320.3	6.1	55.0	3.0	21.0
11.9	30.0	2450.4	750.0	8.1	0.4	69.4	9.0	-8.4	-3.1	305.4	320.4	5.3	57.9	3.3	30.0
13.0	32.7	2629.1	725.0	5.3	-1.4	74.2	8.4	-8.1	-2.0	305.3	319.0	4.8	61.7	3.7	26.0
14.2	35.4	2811.2	700.0	4.0	-1.8	65.9	6.4	-6.8	0.7	306.2	320.6	4.9	65.3	4.2	29.0
14.4	37.0	2997.1	675.0	3.2	-2.6	102.5	5.4	-5.3	1.2	306.3	322.9	4.7	68.0	4.6	29.0
14.8	40.5	3177.1	650.0	2.0	-24.1	90.0	9.4	-9.6	-0.0	312.3	316.6	0.8	11.6	5.1	26.0
15.1	43.4	4033.9	625.0	1.5	-26.6	84.0	11.5	-11.5	-0.8	312.3	316.6	0.7	10.1	5.9	26.0
15.3	46.4	4211.3	600.0	-0.4	-27.9	93.3	10.9	-10.9	-1.2	315.7	317.8	0.6	10.3	6.7	26.0
20.7	49.4	4700.7	575.0	-2.3	-29.2	78.4	8.9	-8.7	-1.8	317.3	319.3	0.5	10.5	7.5	28.0
22.1	52.3	5051.6	550.0	-4.6	-30.5	75.7	7.8	-7.5	-1.9	319.6	320.5	0.3	11.1	8.1	27.0
23.5	55.4	5415.0	525.0	-7.4	-25.2	81.1	7.0	-6.9	-1.1	319.5	321.7	0.6	12.0	8.7	27.0
25.0	58.4	5797.8	500.0	-10.2	-10.8	90.6	8.7	-8.2	0.1	320.7	323.7	0.5	14.6	10.2	27.0
24.5	61.9	6197.0	475.0	-12.3	-33.8	106.2	9.7	-9.3	2.7	322.7	324.3	0.5	14.6	10.2	27.0
26.1	65.2	6599.3	450.0	-14.9	-36.1	101.0	8.3	-8.1	1.6	324.5	325.6	0.4	14.3	11.9	27.0
26.9	68.7	7077.0	425.0	-18.1	-40.4	114.4	7.4	-7.1	3.2	324.7	326.5	0.3	15.5	11.9	27.0
31.6	72.2	7477.9	400.0	-21.5	-40.4	133.7	11.4	-9.5	8.1	324.9	327.9	0.3	16.4	12.7	28.0
33.5	76.0	7899.5	375.0	-25.5	-42.1	134.1	10.5	-7.5	7.3	327.4	328.3	0.2	18.2	13.9	28.0
35.5	80.1	8448.0	350.0	-30.0	-42.1	117.4	6.1	-5.4	2.8	329.4	329.4	0.3	25.4	14.7	28.0
37.2	84.0	8944.6	325.0	-33.4	-45.7	93.6	2.7	-2.7	0.2	330.1	330.9	0.2	28.5	15.2	29.0
41.4	92.8	12114.4	300.0	-38.4	-45.7	102.4	3.0	-2.9	0.6	330.9	330.9	0.2	28.5	15.4	28.5
43.4	97.5	10477.4	275.0	-44.0	-49.9	104.3	3.4	-3.9	0.7	331.5	331.5	0.9	28.5	15.4	28.5
45.4	102.5	11470.6	250.0	-49.1	-49.9	99.9	4.0	-3.9	0.7	333.1	333.1	0.9	28.5	16.4	29.0
49.5	109.2	12174.4	225.0	-54.7	-49.9	103.0	4.2	-4.2	-0.4	334.7	334.7	0.9	28.5	17.0	28.5
52.4	114.0	12678.0	200.0	-60.3	-49.9	101.0	5.9	-5.7	1.4	337.3	337.3	0.9	28.5	17.9	28.5
56.2	123.3	13044.0	175.0	-63.9	-49.9	119.3	2.1	1.4	-1.6	339.9	339.9	0.9	28.5	18.2	28.0
60.7	127.5	14071.7	150.0	-61.1	-49.9	298.6	9.4	4.7	-2.6	344.4	344.4	0.9	28.5	18.4	28.5
65.8	135.3	14651.8	125.0	-62.5	-49.9	29.0	5.2	-2.4	-4.6	406.9	406.9	0.9	28.5	16.7	28.0
72.5	142.7	14215.4	100.0	-64.0	-49.9	80.0	4.0	-4.6	-4.6	418.7	418.7	0.9	28.5	18.0	27.0
81.1	150.7	20744.1	50.0	-53.2	-49.9	79.1	5.6	-5.5	-1.1	511.4	511.4	0.9	28.5	21.1	27.0
95.3	159.0	24214.2	25.0	-50.0	-49.9	90.9	5.3	-5.3	0.1	641.0	641.0	0.9	28.5	23.7	27.0

 * AT SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * AT TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 * AT SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION N/O. 360
LITTLE ROCK, ARKANSAS

37 MAY 1977
1400 GMT

TIME MIN	CNTCY	HEIGHT GOW	PRFS MR	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTD G/MKG	RM PCT	RANGE KM	AZ DG
0.0	7.0	172.0	901.5	24.3	18.9	150.0	1.5	0.3	-1.5	295.2	332.2	14.1	72.0	3.0	0.0
0.5	90.7	95.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.6	8.5	315.5	675.0	24.4	17.0	8.7	1.4	-0.2	-1.4	299.7	333.3	12.6	63.6	0.0	165.0
1.3	10.8	547.4	940.0	27.0	14.7	56.3	1.0	-1.6	-1.1	301.3	331.5	11.2	57.0	0.1	192.0
2.2	14.1	770.0	925.0	21.7	13.4	73.5	2.1	-2.0	-0.6	301.5	330.1	10.6	55.2	0.2	226.0
3.2	15.5	1017.2	900.0	19.7	11.5	64.7	2.4	-2.2	-1.0	301.4	327.8	9.6	59.3	0.3	235.0
4.0	17.7	1259.2	875.0	17.4	10.1	74.5	1.9	-1.5	-0.5	301.9	326.3	8.9	62.0	0.4	238.0
5.0	20.2	1400.3	850.0	15.5	9.0	64.8	1.5	-1.4	-0.6	302.4	325.8	8.5	65.2	0.5	242.0
5.9	22.5	1749.1	825.0	13.7	8.6	2.4	2.4	-0.1	-2.4	303.1	322.6	7.0	58.4	0.6	238.0
6.9	25.1	2017.9	800.0	12.1	1.1	120.9	3.2	1.7	-2.8	304.1	316.8	5.2	46.7	0.6	222.0
7.7	27.4	2247.1	775.0	10.4	-0.9	319.9	3.2	2.1	-2.5	305.0	318.3	4.7	50.0	0.8	193.0
8.5	32.0	2555.1	750.0	8.5	-1.3	308.3	4.4	3.5	-2.7	305.9	316.2	4.5	48.5	0.7	209.0
9.7	32.7	2678.9	725.0	6.1	-2.2	312.2	4.1	3.0	-2.7	306.2	319.2	4.5	55.2	0.9	175.0
10.9	35.3	3121.9	700.0	5.2	-0.2	328.1	2.3	1.2	-2.0	306.3	323.9	5.4	68.3	1.1	169.0
12.0	37.9	3618.6	675.0	4.0	-2.7	10.1	1.4	-0.2	-1.3	311.1	324.8	4.7	52.6	1.2	165.0
13.1	40.4	3772.4	650.0	4.0	-6.2	22.5	1.5	-0.6	-1.4	313.5	324.5	3.7	46.9	1.3	172.0
14.4	43.1	4044.2	625.0	1.5	-7.4	335.3	1.7	0.7	-1.6	314.3	324.9	3.5	51.1	1.4	173.0
15.6	46.2	4772.0	600.0	-0.6	-10.2	287.9	3.7	3.3	-1.7	315.4	324.4	2.9	42.0	1.5	169.0
16.7	49.1	4711.0	575.0	-2.4	-17.2	285.4	5.8	5.6	-1.6	317.2	322.7	1.7	31.0	1.7	159.0
17.9	52.0	5062.3	550.0	-4.6	-13.0	274.9	5.7	5.7	-0.6	314.6	326.7	2.6	51.7	2.0	147.0
19.0	55.0	5424.9	525.0	-7.4	-17.6	274.0	5.7	5.7	-0.4	319.5	327.6	2.6	61.4	2.3	135.0
20.2	59.0	5805.4	500.0	-10.5	-16.5	264.9	7.2	7.2	0.4	320.3	326.9	2.1	60.5	2.6	132.0
21.6	51.1	4198.6	475.0	-13.4	-19.4	266.0	7.7	7.6	0.5	321.6	324.9	1.7	65.5	3.1	122.0
23.1	64.6	6407.1	450.0	-17.2	-19.9	273.2	5.7	5.7	-0.3	321.6	327.3	1.7	79.2	3.6	117.0
24.5	67.0	7071.0	425.0	-20.7	-21.2	270.0	4.8	4.8	0.0	322.4	327.8	1.6	62.9	4.0	115.0
26.1	71.1	7479.4	400.0	-22.9	-24.1	254.5	5.1	5.9	1.6	325.2	329.1	1.1	75.5	4.4	112.0
27.8	74.3	7647.0	375.0	-26.2	-20.5	234.7	6.3	5.2	3.5	326.0	329.7	0.9	66.8	4.9	105.0
29.3	78.7	8445.1	350.0	-30.3	-35.1	235.3	3.8	7.1	2.2	327.8	329.8	0.5	62.7	5.2	101.0
31.1	82.4	8057.7	325.0	-34.5	-30.3	290.7	1.3	1.1	-0.6	329.1	330.5	0.4	61.3	5.3	100.0
33.2	86.3	8521.9	300.0	-38.7	-43.7	64.1	1.9	-1.7	-0.4	330.9	331.8	0.3	58.9	5.3	101.0
35.4	90.7	10117.6	275.0	-47.6	-40.9	123.7	1.9	-1.6	1.1	332.3	330.9	99.0	95.9	5.1	101.0
37.8	95.1	10749.7	250.0	-47.9	99.9	153.7	1.1	-1.4	2.4	334.0	330.9	99.0	99.0	4.8	98.0
40.7	99.9	11434.2	225.0	-54.1	99.9	167.8	4.4	-0.9	4.3	335.7	330.9	99.0	95.9	4.6	92.0
43.9	105.0	12799.8	200.0	-59.3	99.9	177.3	4.2	-0.2	4.2	339.8	330.9	99.0	95.9	4.4	83.0
49.3	115.6	17009.2	175.0	-63.5	99.9	278.9	7.6	7.5	-1.2	345.2	330.9	99.0	95.9	5.0	81.0
51.5	123.1	17050.0	150.0	-64.4	99.9	306.3	8.0	6.5	-4.4	359.7	330.9	99.0	95.9	6.7	92.0
53.5	123.1	15041.1	125.0	-60.1	99.9	291.4	3.9	3.5	-1.4	345.8	330.9	99.0	99.0	7.8	90.0
58.6	130.8	14664.6	100.0	-62.1	99.9	241.0	1.7	1.5	0.8	407.8	330.9	99.0	95.9	8.2	52.0
64.9	132.0	16232.0	75.0	-64.0	99.9	21.9	3.4	-1.3	-3.2	438.8	330.9	99.0	99.0	8.5	101.0
73.4	149.0	20750.2	50.0	-59.5	99.9	85.6	5.4	-5.4	-0.4	503.3	330.9	99.0	95.9	6.6	109.0
94.2	157.7	21109.3	25.0	-46.4	99.9	999.9	999.9	99.9	99.9	641.9	330.9	99.0	95.9	3.3	145.0

a BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG
b BY TEMP MEANS TEMPERATURE OP TIME HAVE BEEN INTERPOLATED
c BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 149
MONNETT, MISSOURI

27 MAY 1977
1610 GMT

TIME MIN	CNTCT	WEIGHT G	REFS W	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	OUT Y DEG K	E DPT Y DEG K	PK RTU CM/KG	EM DCT	RANGE KM	AZ DEG
0.0	0.1	475.0	073.4	20.7	15.7	135.0	4.1	-2.4	1.4	237.2	330.5	12.6	76.0	0.0	0
00.9	09.9	99.0	1000.0	09.0	09.0	99.0	09.0	09.0	09.0	99.0	99.0	99.0	99.0	99.0	99.0
01.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
0.3	10.1	572.4	073.0	20.4	14.2	140.0	13.0	-4.4	12.2	207.9	327.7	10.9	77.0	0.3	32.0
1.2	17.2	744.1	073.0	21.4	14.7	177.0	17.0	-4.5	11.1	101.2	330.2	11.5	77.0	0.3	32.0
2.0	14.5	1001.4	073.0	20.1	12.9	177.0	10.7	-4.5	9.4	101.2	330.2	10.5	77.0	0.3	32.0
2.9	16.7	1248.7	073.0	18.6	11.0	145.1	7.7	-2.0	7.5	101.2	329.2	9.5	77.0	0.3	32.0
3.8	10.1	1422.0	073.0	17.4	9.7	142.1	7.7	-2.0	7.2	101.2	329.2	9.0	77.0	0.3	32.0
4.8	21.4	1747.4	073.0	15.9	8.0	107.7	4.4	2.1	6.0	107.7	328.2	8.2	77.0	0.3	32.0
5.9	27.9	2007.5	073.0	14.3	6.2	214.7	6.0	5.5	7.1	107.7	327.4	7.5	77.0	0.3	32.0
6.7	25.2	2277.1	073.0	12.2	4.1	270.7	11.3	4.4	7.2	107.7	325.8	6.7	77.0	0.3	32.0
7.7	29.4	2480.4	073.0	10.3	2.4	270.7	12.2	10.0	8.2	107.7	325.8	6.2	77.0	0.3	32.0
8.7	31.4	2671.4	073.0	7.0	2.1	130.7	12.4	8.2	8.1	107.7	325.8	6.2	77.0	0.3	32.0
9.4	34.1	3120.3	073.0	5.0	0.4	274.9	12.4	4.5	4.7	107.7	324.8	5.4	77.0	0.3	32.0
10.6	35.5	3414.7	073.0	2.7	0.5	274.9	12.0	4.7	4.2	107.7	324.8	5.4	77.0	0.3	32.0
11.7	30.3	3731.4	073.0	0.2	-0.6	271.7	9.4	6.4	7.2	107.7	324.8	5.6	77.0	0.3	32.0
12.4	41.9	4075.4	073.0	-1.4	-4.7	102.3	9.4	3.2	4.4	107.7	321.9	2.8	77.0	0.3	32.0
14.0	44.7	4760.4	073.0	-1.2	-12.2	174.0	8.2	-0.5	4.0	114.7	322.4	2.5	77.0	0.3	32.0
15.2	47.4	4770.7	073.0	-3.5	-11.2	170.7	4.4	-1.4	9.5	115.9	324.7	2.9	77.0	0.3	32.0
16.5	50.4	5048.9	073.0	-5.7	-13.2	172.3	9.0	-1.2	8.9	117.4	325.2	2.5	77.0	0.3	32.0
17.4	53.4	5417.0	073.0	-7.1	-17.2	178.5	10.4	-0.3	10.3	119.9	326.0	1.9	77.0	0.3	32.0
18.1	54.3	5791.4	073.0	-9.4	-18.9	154.3	12.4	3.9	11.8	121.1	326.7	1.7	77.0	0.3	32.0
20.5	50.5	6145.2	073.0	-12.0	-18.7	211.4	15.3	9.0	11.1	121.1	327.9	1.9	77.0	0.3	32.0
21.7	42.4	6594.5	073.0	-16.4	-19.3	214.1	14.1	7.9	11.6	122.6	328.6	1.8	77.0	0.3	32.0
23.4	54.0	7022.5	073.0	-18.9	-25.1	207.4	10.3	4.7	9.1	124.7	328.6	1.2	77.0	0.3	32.0
24.9	40.4	7471.7	073.0	-22.4	-27.3	202.7	9.7	3.4	8.1	125.8	329.3	1.0	77.0	0.3	32.0
26.5	72.0	7642.9	073.0	-25.6	-24.0	143.4	4.5	2.9	8.1	127.8	329.8	0.4	77.0	0.3	32.0
28.3	74.6	8439.4	073.0	-29.3	-41.7	197.0	7.4	1.0	7.7	129.2	330.1	0.2	77.0	0.3	32.0
30.2	80.4	8904.2	073.0	-33.4	-46.2	195.4	7.6	0.7	7.4	130.2	330.8	0.2	77.0	0.3	32.0
32.1	84.3	9520.2	073.0	-38.1	-50.4	142.7	7.3	-2.2	7.0	131.7	332.1	0.1	77.0	0.3	32.0
34.7	82.4	10112.9	073.0	-42.7	-59.9	141.1	4.4	-5.3	6.6	133.1	339.9	0.9	77.0	0.3	32.0
36.5	93.0	10745.2	073.0	-47.4	-69.6	136.8	10.9	-7.4	7.9	137.4	339.9	0.9	77.0	0.3	32.0
38.9	97.5	11437.4	073.0	-52.0	-69.0	139.0	11.2	-7.2	4.6	137.4	339.9	0.9	77.0	0.3	32.0
41.3	102.4	12149.4	073.0	-57.4	-69.0	154.4	7.2	-3.0	6.9	141.6	339.9	0.9	77.0	0.3	32.0
44.0	105.0	13024.3	073.0	-61.5	-69.6	247.2	11.4	10.0	4.6	148.4	339.9	0.9	77.0	0.3	32.0
47.1	104.4	13647.4	073.0	-59.8	-69.9	273.1	6.3	6.3	-0.3	156.7	339.9	0.9	77.0	0.3	32.0
50.4	120.5	15130.9	073.0	-59.4	-69.9	247.8	4.3	4.3	0.2	160.7	339.9	0.9	77.0	0.3	32.0
53.0	129.0	16400.4	073.0	-60.6	-69.9	207.3	1.0	1.0	2.0	410.6	339.9	0.9	77.0	0.3	32.0
60.2	174.3	19241.4	073.0	-62.4	-69.0	39.4	1.7	-1.1	-1.3	441.7	339.9	0.9	77.0	0.3	32.0
67.5	144.0	20473.4	073.0	-59.4	-69.0	82.2	7.0	-7.0	-1.0	503.9	339.9	0.9	77.0	0.3	32.0
70.7	154.7	24272.4	073.0	-50.2	-69.6	995.0	99.9	99.9	99.9	640.7	339.9	0.9	77.0	0.3	32.0

BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG

BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 343
OKLAHOMA CITY, OKLAHOMA

27 MAY 1977
1400 GMT

182 18. 0

TIME MIN	CNTCT	WIGHT GDM	PRES MM	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	W RTD GPM/KG	RM PCT	RANGE KM	AZ DG
0.0	9.9	392.0	544.4	17.2	15.2	110.0	3.1	-2.9	1.1	293.4	322.6	11.2	27.0	6.6	0.
9.9	9.9	90.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	90.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	10.9	421.6	550.0	19.4	99.9	134.2	8.6	-6.1	6.0	296.9	999.9	16.9	955.9	0.4	316
1.4	17.0	749.7	925.0	17.2	9.1	135.5	9.4	-4.8	7.0	296.9	318.1	7.9	55.2	1.0	316
2.4	15.3	945.1	500.0	18.4	9.5	151.5	7.4	-3.3	6.7	300.5	323.3	8.4	56.1	1.5	216
3.4	17.6	1225.3	875.0	17.6	8.0	201.2	5.2	1.9	4.8	302.1	323.4	7.7	53.1	1.8	323
4.4	19.9	1473.4	450.0	15.3	5.4	219.5	3.0	1.9	2.3	307.1	320.6	6.6	51.7	1.9	331
5.5	23.1	1724.1	925.0	14.0	4.5	236.6	1.9	1.6	1.0	303.4	321.5	6.4	52.7	1.9	334
6.6	24.7	1944.0	802.0	11.6	3.6	249.1	4.0	3.7	1.5	303.6	321.0	6.2	57.8	1.9	339
7.3	25.0	2250.0	775.0	10.3	3.8	254.4	6.6	6.4	1.6	304.9	321.2	6.5	54.1	1.9	347
8.2	29.5	2522.2	750.0	7.8	3.8	261.7	9.7	9.2	1.3	305.1	324.1	6.7	75.6	1.9	359
9.1	32.2	2801.6	725.0	6.5	2.7	261.3	12.4	12.2	1.9	306.6	324.8	6.5	76.9	2.1	15
9.9	34.9	3084.5	700.0	5.5	0.2	262.8	15.4	15.3	1.9	305.6	324.6	5.6	68.5	2.4	25
10.4	37.4	3396.4	675.0	3.5	-2.9	265.4	17.8	17.7	1.4	309.6	323.1	4.6	62.9	3.0	43
11.7	40.2	3691.4	650.3	0.7	-5.9	267.0	19.1	19.0	1.0	309.8	321.0	3.8	61.2	3.5	54
12.6	43.8	4005.4	625.3	-1.7	-4.1	269.2	20.7	20.2	0.6	310.5	320.5	3.3	62.0	5.1	63
13.9	45.8	4325.8	600.0	-4.8	-10.8	273.1	22.9	22.8	0.4	310.6	319.0	2.8	62.7	6.3	66
15.0	48.9	4642.0	575.0	-7.9	-11.7	273.1	25.4	25.4	-1.4	310.7	319.0	2.7	74.1	7.8	72
16.4	51.6	5004.2	550.0	-9.7	-12.9	274.4	24.7	24.5	-3.6	312.6	320.6	2.6	77.2	9.7	77
17.9	54.6	5345.6	525.0	-10.2	-13.1	270.4	23.5	23.5	-0.2	315.1	324.4	2.7	75.2	11.7	81
19.9	57.4	5740.9	500.0	-12.0	-14.9	257.9	20.1	19.6	4.2	318.4	326.0	2.4	79.3	13.2	81
22.2	61.0	6131.6	475.0	-14.5	-17.7	251.2	18.3	17.4	5.9	320.1	326.5	2.0	76.2	14.6	80
23.5	64.4	6539.5	450.0	-17.5	-20.6	244.4	15.3	13.9	6.6	321.3	326.6	1.6	76.2	15.6	80
25.4	67.4	6945.0	425.0	-19.8	-23.6	226.4	13.4	9.7	9.2	323.6	328.0	1.3	72.0	16.7	78
27.9	71.0	7417.1	403.0	-23.1	-27.3	201.1	12.5	4.5	11.7	324.9	328.4	1.0	65.6	17.4	76
29.0	74.9	7892.9	375.0	-26.3	-30.3	190.1	13.6	4.4	12.8	326.8	329.6	0.8	68.8	17.9	74
32.2	78.7	8375.2	350.0	-30.1	-34.4	202.4	14.8	5.6	13.7	328.2	330.3	0.6	65.2	18.5	71
37.4	82.5	8902.0	325.0	-34.3	-42.5	195.7	14.5	4.5	15.9	329.4	330.3	0.3	42.7	19.4	68
39.2	86.4	9456.5	300.0	-38.9	-50.0	185.6	18.9	1.9	19.8	330.5	331.0	0.1	29.6	20.4	64
39.9	91.2	10047.8	275.0	-43.6	-59.9	176.1	15.8	-1.1	15.8	332.1	999.9	99.9	955.9	21.2	59
39.4	94.9	10441.4	250.0	-49.7	-69.5	171.3	15.2	-7.3	15.0	332.9	999.9	99.9	955.9	21.9	56
34.7	100.7	11247.5	225.0	-52.5	-69.9	172.0	19.5	-7.7	19.3	338.1	999.9	99.9	955.9	22.8	51
35.4	106.0	12119.1	200.0	-57.8	-69.9	196.9	16.7	4.9	14.0	341.2	999.9	99.9	955.9	24.1	47
38.9	111.6	12953.3	175.0	-60.5	-69.9	257.5	12.4	12.1	2.7	349.4	999.9	99.9	955.9	26.0	46
41.3	117.9	13812.8	150.0	-59.1	-69.9	280.4	7.8	7.6	-1.4	388.4	999.9	99.9	955.9	28.8	50
44.5	125.0	15049.7	125.0	-60.9	-69.9	257.5	9.3	9.1	2.0	384.6	999.9	99.9	955.9	28.2	51
48.1	132.3	16429.3	100.0	-61.1	-69.9	272.2	4.7	4.7	-0.2	409.8	999.9	99.9	955.9	29.4	53
47.7	140.3	14702.5	75.0	-64.5	-69.9	351.4	4.0	0.6	-3.0	437.8	999.9	99.9	955.9	29.9	55
40.1	148.7	20712.8	50.0	-58.6	-69.9	75.6	6.6	-0.4	-1.6	503.6	999.9	99.9	955.9	27.3	54
71.0	157.0	25172.6	25.0	-51.3	-69.9	66.8	8.6	-7.9	-3.4	637.3	999.9	99.9	955.9	23.8	46

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPOD MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 243
 AMARILLO, TEXAS

 27 MAY 1977
 1400 GMT

TIME MIN.	CNCT	HEIGHT GMS	PRES MM	TEMP DG C	DEW PT DG C	WIND DG	WIND M/SEC	U COMP M/SEC	V COMP M/SEC	PWT T DG K	F PCT T DG K	PA PCT GPM/KG	PA PCT	RANGE KM	AZ DG
0.0	17.5	1036.0	985.4	14.1	14.1	240.0	4.1	5.5	3.1	301.8	337.0	13.2	87.0	0.0	0.
00.0	00.0	02.0	1000.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	975.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	950.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	925.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	900.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	875.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	850.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	825.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	800.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	775.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	750.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	725.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	700.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	675.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	650.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	625.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	600.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	575.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	550.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	525.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	500.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	475.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	450.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	425.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	400.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	375.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	350.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	325.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	300.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	275.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	250.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	225.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	200.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	175.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	150.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	125.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	100.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	75.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	50.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	25.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	0.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0

 - BY SPOFF MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 - BY TERN MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 - BY SPOFF MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 413
SAINT, ILLINOIS

27 MAY 1977
1415 47

TIME MIN	CHTC7	HEIGHT GSM	PRES MM	OC C	DEV C	DE C	SPEED M/S	J COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	MR RTO CM/KG	BN PCT	RANGE KM	AZ DG
0.0	7.0	175.0	901.3	21.1	12.3	7.3	3.5	-3.5	-1.3	297.2	321.5	9.1	50.0	0.0	0.
00.0	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.1	9.5	322.4	975.0	21.3	9.5	9.5	3.3	-3.3	1.0	297.2	314.8	6.5	38.2	0.2	280.
1.0	11.4	444.6	950.0	21.6	0.0	11.4	2.6	-2.6	1.2	299.1	313.1	5.0	25.3	0.3	283.
2.0	14.6	798.0	925.0	19.8	1.7	14.6	2.2	-2.2	2.0	299.5	312.7	4.7	20.2	0.4	291.
3.1	16.2	1011.7	900.0	14.9	1.7	16.2	3.0	-3.0	3.0	300.0	310.3	3.6	24.9	0.4	298.
4.1	19.4	1273.5	875.0	15.8	1.7	19.4	3.7	-3.7	4.6	300.3	310.3	3.5	27.2	0.8	304.
5.1	20.9	1499.5	850.0	15.8	1.7	20.9	2.7	-2.7	4.9	300.6	306.9	2.1	19.2	1.3	310.
6.1	23.4	1749.8	825.0	14.2	1.7	23.4	1.7	-1.7	5.6	303.6	304.2	0.2	1.6	1.5	316.
7.0	25.8	2009.3	800.0	12.8	1.7	25.8	3.5	-3.5	5.5	304.8	305.3	0.2	1.5	1.9	320.
8.0	28.3	2271.4	775.0	11.1	1.7	28.3	5.2	-5.2	4.2	305.8	306.4	0.2	1.7	2.3	319.
9.0	31.0	2545.3	750.0	9.5	1.7	31.0	4.7	-4.7	4.7	305.9	307.5	0.2	1.9	2.7	317.
10.1	33.9	2825.5	725.0	8.3	1.7	33.9	4.5	-4.5	4.2	308.6	309.3	0.2	2.0	3.2	314.
11.1	36.2	3114.1	700.0	6.8	1.7	36.2	3.1	-3.1	3.4	310.0	310.3	0.1	1.0	3.0	311.
12.4	39.1	3411.6	675.0	4.9	1.7	39.1	7.2	-7.2	3.7	311.2	311.5	0.1	1.0	4.4	305.
13.5	41.8	3714.3	650.0	3.4	1.7	41.8	6.1	-6.1	5.1	312.9	313.1	0.1	1.0	5.0	308.
14.8	44.6	4035.3	625.0	1.9	1.7	44.6	5.1	-5.1	5.6	314.6	314.9	0.1	1.0	5.2	309.
15.0	47.4	4374.5	600.0	0.3	1.7	47.4	5.5	-5.5	5.6	316.4	316.3	0.5	6.3	6.1	310.
17.4	50.5	4702.9	575.0	-2.5	1.7	50.5	5.4	-5.4	5.7	317.1	317.1	0.5	5.0	6.7	310.
19.6	53.4	5053.7	550.0	-4.8	1.7	53.4	4.6	-4.6	3.9	319.4	319.1	0.2	3.7	7.2	310.
20.0	56.6	5417.5	525.0	-7.6	1.7	56.6	3.5	-3.5	3.1	319.2	319.9	0.2	4.1	7.6	310.
21.4	60.0	5794.7	500.0	-10.4	1.7	60.0	2.9	-2.9	2.5	320.3	321.1	0.2	4.2	8.4	312.
22.9	63.4	6187.4	475.0	-13.7	1.7	63.4	2.4	-2.4	2.3	321.4	322.2	0.2	7.6	9.1	313.
24.4	66.7	6596.4	450.0	-15.3	1.7	66.7	1.7	-1.7	1.3	322.8	323.2	0.1	4.7	9.8	315.
26.1	70.3	7023.9	425.0	-19.3	1.7	70.3	1.3	-1.3	1.3	325.9	325.7	0.1	5.6	10.6	317.
27.7	74.0	7471.4	400.0	-22.4	1.7	74.0	1.3	-1.3	1.3	328.3	328.8	0.2	7.3	11.3	318.
29.4	77.9	7943.2	375.0	-26.4	1.7	77.9	1.3	-1.3	1.3	329.9	329.4	0.2	17.8	12.4	320.
31.4	81.9	8437.9	350.0	-29.7	1.7	81.9	1.3	-1.3	1.3	330.5	330.9	0.1	17.9	12.4	321.
33.2	85.9	8951.3	325.0	-34.2	1.7	85.9	0.5	-0.5	0.5	330.5	330.9	0.1	999.9	12.2	323.
35.2	90.3	9514.2	300.0	-38.0	1.7	90.3	0.8	-0.8	0.8	330.5	330.9	0.1	999.9	14.0	325.
37.1	95.0	10105.9	275.0	-44.7	1.7	95.0	0.8	-0.8	0.8	332.5	332.5	0.1	999.9	14.0	327.
39.4	99.9	10737.3	250.0	-49.5	1.7	99.9	0.8	-0.8	0.8	335.3	335.3	0.1	999.9	15.3	328.
41.8	104.8	11419.8	225.0	-54.3	1.7	104.8	0.6	-0.6	0.6	338.3	338.3	0.1	999.9	15.3	328.
44.3	110.4	12145.5	200.0	-59.6	1.7	110.4	1.4	-1.4	1.4	340.5	340.5	0.1	999.9	16.1	329.
47.2	115.4	12903.7	175.0	-63.0	1.7	115.4	1.1	-1.1	1.1	344.5	344.5	0.1	999.9	16.1	329.
50.5	123.0	13944.7	150.0	-61.3	1.7	123.0	0.9	-0.9	0.9	348.1	348.1	0.1	999.9	16.1	329.
54.1	130.3	15091.1	125.0	-61.3	1.7	130.3	0.9	-0.9	0.9	407.8	407.8	0.1	999.9	16.0	328.
58.5	137.7	16460.9	100.0	-62.1	1.7	137.7	0.9	-0.9	0.9	456.1	456.1	0.1	999.9	16.0	328.
64.3	145.3	18240.5	75.0	-60.5	1.7	145.3	0.9	-0.9	0.9	500.5	500.5	0.1	999.9	17.0	314.
72.1	153.7	20731.6	50.0	-57.3	1.7	153.7	0.9	-0.9	0.9	640.8	640.8	0.1	999.9	22.2	301.
84.6	162.3	25234.6	25.0	-50.2	1.7	162.3	0.9	-0.9	0.9	999.9	999.9	0.1	999.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 451
DODGE CITY, KANSAS

27 MAY 1977
1415 GMT

TIME MIN	CNTCT	WFLGTH GPM	DEFS W	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y NG K	E POT Y DG K	MX RTD CM/NG	KM PCT	RANGE KM	AZ DG
0.0	12.8	701.0	514.0	16.7	13.4	170.0	5.7	-1.0	5.6	297.0	225.2	10.6	81.0	0.0	0.
00.0	09.0	69.0	1003.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0
01.0	09.0	09.0	575.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0
02.0	09.0	09.0	553.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0
03.0	09.0	09.0	553.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0
04.0	15.5	653.1	900.0	15.0	13.5	170.0	4.8	2.9	8.3	297.0	225.7	11.2	83.2	0.2	5.
05.0	17.7	1707.5	875.0	13.1	12.0	273.4	7.9	4.6	6.3	297.4	224.5	10.2	53.6	0.4	20.
06.0	20.1	1443.1	853.0	11.7	10.4	273.4	5.3	4.6	2.7	293.4	223.6	5.6	51.2	1.2	20.
07.0	22.4	1607.4	423.0	14.4	11.8	252.6	4.0	6.3	2.0	304.2	315.9	5.6	44.5	1.2	20.
08.0	24.0	1607.4	400.0	15.7	-4.0	273.4	13.3	10.1	3.4	307.8	315.2	2.4	17.5	1.3	48.
09.0	27.2	2222.9	775.0	14.4	-11.4	273.4	12.3	12.1	3.4	309.3	315.4	2.0	15.1	2.4	52.
10.0	28.4	2467.1	750.0	11.9	-10.5	273.4	13.0	12.3	4.2	309.5	316.5	2.3	15.8	3.1	57.
11.0	31.4	2467.1	750.0	9.2	-11.4	273.4	11.9	11.9	5.1	309.5	316.3	2.2	21.9	4.0	50.
12.0	35.1	2467.1	700.0	4.7	-12.6	273.4	12.3	11.7	5.2	307.5	315.8	2.0	21.8	4.8	61.
13.0	37.7	2467.1	675.0	3.5	-14.1	273.4	14.5	13.3	6.0	300.6	315.2	1.8	25.1	5.8	52.
14.0	42.4	2467.1	650.0	0.7	-15.1	273.4	15.4	15.2	7.2	309.8	315.4	1.9	25.3	6.0	42.
15.0	47.0	2467.1	555.0	-2.0	-15.7	273.4	17.1	15.1	9.2	310.2	315.8	1.4	34.1	8.1	52.
16.0	47.0	2467.1	400.0	-3.2	-16.1	273.4	15.1	15.0	4.3	312.4	313.5	0.3	6.7	9.3	62.
17.0	48.0	2467.1	400.0	-5.7	-16.1	273.4	14.0	12.0	7.1	313.3	314.6	0.4	6.2	10.2	61.
18.0	51.9	2467.1	350.0	-11.0	-16.1	273.4	14.0	12.0	5.5	313.8	315.0	0.4	6.6	11.1	42.
19.0	54.0	2467.1	350.0	-11.0	-16.1	273.4	12.0	12.0	4.4	314.1	315.2	0.2	10.7	12.3	62.
20.0	57.5	2467.1	350.0	-14.4	-16.1	273.4	13.5	11.5	4.3	317.3	317.9	0.2	7.1	14.5	62.
21.0	61.0	2467.1	350.0	-15.7	-16.1	273.4	12.3	11.5	2.2	315.6	320.1	0.1	6.8	15.6	64.
22.0	64.0	2467.1	350.0	-14.4	-16.1	273.4	14.0	13.9	3.7	321.4	321.7	0.1	5.8	17.0	62.
23.0	67.0	2467.1	400.0	-21.5	-16.1	273.4	15.4	15.3	4.7	322.0	322.3	0.1	7.0	18.0	62.
24.0	71.0	2467.1	400.0	-25.4	-16.1	273.4	16.7	15.0	4.7	323.3	322.6	0.1	7.9	20.1	62.
25.0	74.0	2467.1	350.0	-26.7	-16.1	273.4	15.0	14.3	5.1	323.5	322.7	0.1	5.4	21.5	62.
26.0	78.0	2467.1	350.0	-33.5	-16.1	273.4	10.5	7.3	9.0	325.7	325.9	0.0	2.8	22.5	62.
27.0	82.0	2467.1	350.0	-37.0	-16.1	273.4	13.0	9.4	13.1	327.4	327.4	0.0	9.0	24.2	62.
28.0	85.0	2467.1	350.0	-37.0	-16.1	273.4	15.4	9.2	13.1	327.4	327.4	0.0	9.0	25.5	62.
29.0	88.0	2467.1	350.0	-37.0	-16.1	273.4	14.0	7.9	17.4	332.9	332.9	0.0	9.0	27.3	50.
30.0	91.0	2467.1	350.0	-37.0	-16.1	273.4	24.0	0.3	20.0	338.5	338.5	0.0	9.0	29.7	50.
31.0	94.0	2467.1	350.0	-37.0	-16.1	273.4	24.0	5.2	24.0	338.6	338.6	0.0	9.0	32.7	42.
32.0	97.0	2467.1	350.0	-37.0	-16.1	273.4	24.0	15.2	14.8	350.0	350.0	0.0	9.0	35.4	48.
33.0	100.0	2467.1	350.0	-37.0	-16.1	273.4	16.0	13.4	6.3	358.4	358.4	0.0	9.0	37.6	45.
34.0	103.0	2467.1	350.0	-37.0	-16.1	273.4	13.1	9.6	5.4	372.9	372.9	0.0	9.0	39.8	50.
35.0	106.0	2467.1	350.0	-37.0	-16.1	273.4	12.7	11.5	3.2	364.9	364.9	0.0	9.0	42.8	50.
36.0	109.0	2467.1	350.0	-37.0	-16.1	273.4	7.4	6.7	3.2	411.1	411.1	0.0	9.0	47.7	52.
37.0	112.0	2467.1	350.0	-37.0	-16.1	273.4	2.4	2.1	1.2	438.6	438.6	0.0	9.0	42.2	51.
38.0	115.0	2467.1	350.0	-37.0	-16.1	273.4	7.3	-7.3	-1.6	507.4	507.4	0.0	9.0	42.2	51.
39.0	118.0	2467.1	350.0	-37.0	-16.1	273.4	7.7	-7.6	0.8	635.9	635.9	0.0	9.0	42.2	46.

1. ** 1000 MEANS ELEVATION ABOVE MEAN SEA LEVEL AND 10 DEG
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10. ** 1000 MEANS ELEVATION ABOVE MEAN SEA LEVEL AND 10 DEG

STATION NO. 456
TOPEKA, KANSAS

27 MAY 1977
1402 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRCS WD	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.5	268.0	578.0	22.2	17.8	150.0	5.1	-2.5	4.4	297.2	332.0	13.2	76.0	0.0	0.
0.9	09.9	1003.0	1003.0	09.9	09.9	99.9	99.9	99.9	92.9	99.9	99.9	99.9	99.9	999.9	999.9
0.1	7.9	205.8	375.0	22.5	17.8	166.5	4.9	-1.2	4.8	298.2	333.2	13.3	72.8	0.3	231.
1.1	13.2	51.0	250.0	20.7	16.4	140.2	5.4	-3.5	4.2	298.2	331.3	12.5	76.7	0.3	159.
1.3	12.3	711.3	325.0	18.9	15.5	151.7	10.7	-4.7	9.6	299.7	330.7	12.1	80.4	0.5	261.
2.7	14.4	587.2	500.0	14.1	15.7	194.9	15.6	5.0	14.7	300.2	333.8	12.6	84.0	0.7	320.
7.5	14.4	1228.7	475.0	14.0	13.1	171.7	8.2	-1.2	11.1	300.4	329.7	10.9	83.2	1.4	355.
4.4	9.1	1478.4	453.0	13.9	12.4	146.7	9.6	-4.3	7.4	300.7	329.6	10.9	83.2	1.4	355.
5.4	21.4	1725.2	375.0	12.2	10.5	157.9	11.0	-4.1	10.2	301.5	328.7	10.0	83.2	1.4	355.
9.4	21.9	1087.4	300.0	10.3	7.6	152.0	10.5	-4.7	9.2	302.1	324.7	8.2	83.1	2.3	345.
7.4	21.2	2514.0	775.0	9.9	5.8	152.4	10.7	-5.1	9.5	303.4	324.3	7.5	80.7	3.4	342.
9.4	24.7	2510.1	750.0	7.2	4.7	156.4	11.4	-4.1	10.4	304.4	324.4	7.2	84.2	4.1	341.
7.5	31.1	2727.5	725.0	5.4	-1.5	160.1	12.9	-4.4	12.1	305.4	319.0	4.7	81.0	4.5	340.
1.7	31.0	3021.4	730.0	0.6	-0.7	171.0	14.0	-3.6	13.1	305.6	322.6	5.0	85.2	5.8	341.
1.7	31.2	7470.6	550.0	-1.5	-3.2	172.2	16.1	-2.2	16.0	306.4	321.8	4.4	80.8	6.7	342.
1.9	41.9	3051.4	325.0	-2.5	-5.2	167.2	16.6	-3.7	16.2	309.6	320.7	4.7	81.8	7.7	343.
1.1	41.7	4315.8	300.0	-2.5	-19.7	158.4	18.1	-6.7	16.8	313.3	317.7	1.4	28.0	9.9	344.
1.7	41.4	4651.0	375.0	-5.2	-12.0	154.1	18.3	-9.0	16.4	313.9	322.1	2.7	56.7	11.3	342.
1.5	51.5	5030.2	550.0	-7.2	-10.6	157.9	19.1	-7.2	17.7	315.6	325.1	3.1	76.5	12.5	342.
1.3	51.5	5143.0	475.0	-9.1	-10.6	163.7	19.1	-3.8	18.7	317.5	327.5	2.2	81.3	13.5	342.
2.0	54.5	5718.4	500.0	-11.6	-12.7	174.9	16.0	-1.7	19.0	319.0	324.0	2.9	81.5	15.4	343.
21.4	54.9	6170.4	475.0	-13.5	-15.6	177.4	18.9	-0.9	18.9	321.2	328.8	2.4	81.4	17.0	344.
21.3	61.1	6510.1	450.0	-16.0	-19.8	183.1	17.9	1.0	17.9	323.2	318.9	1.8	74.3	18.5	346.
31.4	61.4	5164.3	475.0	-18.7	-22.9	188.9	19.9	99.9	99.9	325.0	329.7	1.4	69.2	999.9	999.9
9.5	69.9	69.9	400.0	55.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
9.5	69.9	69.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
9.5	69.9	69.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
9.5	69.9	69.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
9.5	69.9	69.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
9.5	69.9	69.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
9.5	69.9	69.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
9.5	69.9	69.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN F AND 1 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 132
SPRINGFIELD, ILLINOIS27 MAY 1977
1424 GMT

153 14. 0

TIME MIN	ENTCT	HEIGHT GOM	PRES MB	TEMP C	DEW PT C	DIR DG	SPED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MR PTO CM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.0	200.0	990.0	21.4	12.1	100.0	4.6	-4.5	0.6	297.4	321.5	5.0	45.0	0.0	0.
0.9	33.9	99.9	1000.0	21.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.4	9.1	133.0	975.0	21.4	12.6	134.6	5.2	-2.4	3.1	296.7	321.9	9.5	97.3	0.1	274.
1.2	10.4	577.7	550.0	20.4	7.9	140.9	6.2	-2.1	5.9	294.1	317.4	7.1	44.2	0.3	302.
2.2	17.5	784.1	525.0	20.2	6.4	142.5	6.6	-2.0	6.2	299.9	317.9	6.5	40.4	0.7	311.
3.1	14.4	1071.4	600.0	19.4	6.5	147.0	5.3	-2.9	4.4	300.5	315.1	6.8	45.7	1.0	333.
4.1	14.9	1244.4	575.0	16.4	6.7	137.4	4.6	-7.4	7.1	300.9	320.3	7.1	52.5	1.3	336.
5.1	15.7	1510.5	450.0	14.0	5.9	123.3	5.4	-4.5	3.0	300.8	319.4	6.9	56.2	1.5	326.
6.0	21.5	1741.8	425.0	12.0	3.2	107.7	6.9	-4.6	2.1	301.3	317.7	8.9	54.5	1.6	321.
7.0	24.0	2012.1	400.0	12.6	-13.3	102.1	8.9	-8.5	1.9	304.6	309.4	1.7	18.0	2.3	314.
8.1	24.2	2244.0	775.0	11.4	-7.6	100.1	10.7	-10.6	1.9	306.1	317.2	3.8	24.4	2.4	301.
9.1	24.9	2457.9	750.0	10.0	-5.0	66.0	10.0	-9.9	1.0	307.4	317.8	3.5	24.4	3.4	301.
10.2	31.4	2814.7	725.0	8.1	-7.1	97.9	9.2	-9.1	1.2	309.1	317.4	3.1	32.8	4.0	287.
11.4	34.0	3127.1	700.0	6.2	-9.0	106.1	9.5	-9.2	2.7	309.4	317.7	2.8	32.6	4.6	285.
12.5	34.5	3427.9	675.0	4.4	-10.0	113.7	7.9	-7.3	3.2	309.9	317.9	2.4	32.6	5.2	264.
13.9	37.3	3729.5	650.0	2.1	-14.4	127.4	5.5	-4.4	3.3	311.3	317.3	1.9	28.2	5.7	265.
15.0	41.0	4045.4	625.0	0.7	-19.5	141.4	4.2	-2.6	3.2	313.3	317.5	1.3	20.2	6.0	264.
16.2	44.4	4371.5	600.0	-1.7	-21.4	142.2	4.0	-1.4	3.5	314.1	317.9	1.1	20.5	6.2	237.
17.5	47.8	4704.5	575.0	-3.9	-24.7	159.3	6.0	-2.1	5.6	315.5	318.4	0.9	18.0	6.5	259.
18.4	50.7	5059.1	550.0	-5.5	-20.1	161.6	7.2	-2.3	6.8	317.5	319.5	0.6	12.3	7.0	302.
20.2	53.9	5421.3	525.0	-7.8	-30.8	163.1	9.2	-2.4	7.8	319.1	321.0	0.6	13.7	7.6	305.
21.5	56.8	5798.4	500.0	-10.6	-32.7	165.2	9.6	-2.2	8.4	320.1	321.8	0.5	14.2	8.0	308.
23.1	60.1	6100.9	475.0	-13.6	-34.7	178.9	8.2	-0.2	8.2	321.2	322.6	0.4	14.8	8.5	312.
24.7	63.6	6400.1	450.0	-16.8	-26.9	161.0	10.1	0.2	10.1	322.1	325.3	0.9	41.8	9.1	316.
25.7	65.9	7027.1	425.0	-19.9	-28.4	163.5	10.8	0.7	10.8	323.4	326.4	0.9	42.7	9.9	320.
26.0	70.4	7474.0	400.0	-22.6	-26.2	180.4	10.5	0.1	10.5	324.3	325.8	0.4	30.1	10.7	324.
28.4	74.1	7842.5	375.0	-27.2	-25.6	179.1	9.3	-0.1	9.3	325.6	326.9	0.4	32.5	11.6	327.
31.4	78.1	8415.4	350.0	-31.0	-41.9	169.4	5.7	-1.3	5.6	327.0	328.0	0.3	33.0	12.4	329.
33.7	82.0	8959.2	325.0	-35.0	-44.7	150.1	3.4	-1.7	2.9	328.5	329.3	0.2	35.9	12.9	330.
35.4	84.2	9411.1	300.0	-39.5	-45.6	118.5	5.1	-4.5	2.4	329.7	329.8	99.9	99.9	13.3	326.
37.9	88.7	10100.2	275.0	-44.1	-49.9	124.4	5.8	-4.8	3.2	331.4	329.9	99.9	99.9	14.0	328.
40.3	93.4	10772.4	250.0	-49.4	-49.9	124.4	4.3	-3.3	2.7	332.7	329.9	99.9	99.9	14.7	326.
43.9	100.3	11415.4	225.0	-54.3	-49.9	59.0	3.7	-3.2	-1.9	335.1	329.9	99.9	99.9	15.0	326.
45.7	105.6	12162.2	200.0	-59.5	-49.9	22.2	10.5	-4.0	-9.7	338.1	329.9	99.9	99.9	14.3	322.
48.7	111.3	12947.0	175.0	-64.1	-49.9	44.0	7.9	-5.5	-5.7	344.1	329.9	99.9	99.9	13.8	314.
52.0	117.3	13846.6	150.0	-62.1	-49.9	112.5	2.1	-2.0	0.8	343.1	329.9	99.9	99.9	13.0	311.
55.1	124.5	15059.1	125.0	-62.1	-49.9	283.9	1.4	1.4	-0.3	342.5	329.9	99.9	99.9	14.1	312.
58.0	132.0	16499.5	100.0	-61.0	-49.9	135.5	3.3	-2.3	2.4	408.1	329.9	99.9	99.9	14.2	310.
62.4	139.7	18237.4	75.0	-60.3	-49.9	54.9	2.9	-2.3	-1.6	446.6	329.9	99.9	99.9	14.7	306.
67.3	147.3	20770.4	50.0	-57.2	-49.9	77.1	8.4	-8.2	-1.9	508.9	329.9	99.9	99.9	16.3	300.
73.6	155.3	25247.1	25.0	-49.9	-49.9	90.3	11.4	-11.4	0.1	641.5	329.9	99.9	99.9	22.5	288.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 9 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 553
OMAHA, NEBRASKA27 MAY 1977
1415 GMT

TIME MIN.	CNTCT	HEIGHT GDM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GP/KG	RH PCT	RANGE KM	AZ DG
0.0	9.0	400.0	967.4	20.6	15.2	145.0	3.6	0.9	-3.5	296.9	326.9	11.3	71.0	184	11. 8
0.5	99.0	99.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1.0	99.0	99.0	975.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1.5	10.1	520.0	950.0	16.3	13.2	304.6	4.0	3.3	-2.3	295.8	326.1	11.6	82.2	0.1 128.	0.1 128.
2.0	10.2	740.0	925.0	16.3	13.6	267.4	3.1	3.1	0.1	295.0	325.9	11.4	89.5	0.3 123.	0.3 123.
2.5	10.3	997.0	900.0	16.3	13.8	202.4	6.6	2.5	6.1	298.3	327.9	11.1	85.3	0.4 99.	0.4 99.
3.0	10.4	1227.5	875.0	15.6	12.8	175.3	11.9	-1.0	11.8	300.0	326.8	10.7	82.2	0.6 50.	0.6 50.
3.5	10.5	1469.4	850.0	14.3	10.1	175.3	14.5	-1.7	14.4	301.7	326.1	9.2	76.0	1.2 16.	1.2 16.
4.0	21.2	1721.4	825.0	12.4	9.0	170.2	14.2	-2.4	14.0	301.7	326.2	2	74.6	2.0 7.	2.0 7.
4.5	23.6	1973.2	800.0	10.5	6.0	165.3	15.3	-3.9	14.8	302.4	326.8	7.4	72.4	2.7 1.	2.7 1.
5.0	25.9	2243.2	775.0	8.8	1.3	161.0	14.9	-5.5	16.0	303.3	326.7	5.5	56.4	3.6 756.	3.6 756.
5.5	28.7	2418.1	750.0	6.8	0.8	160.6	18.8	-5.6	17.9	303.9	319.0	5.3	64.3	4.8 353.	4.8 353.
6.0	30.9	2701.7	725.0	4.6	-0.5	166.4	19.9	-6.3	18.4	304.5	319.0	5.1	69.8	5.9 351.	5.9 351.
6.5	33.5	3075.8	700.0	2.2	-3.7	163.7	19.1	-5.1	17.3	304.9	317.1	4.2	82.6	7.2 350.	7.2 350.
7.0	36.0	3370.0	675.0	1.6	-11.2	157.8	19.1	-7.2	17.7	307.5	314.7	2.4	37.7	8.4 345.	8.4 345.
7.5	38.4	3673.2	650.0	0.0	-17.9	154.8	17.9	-7.6	16.2	309.0	313.5	1.4	24.5	9.5 347.	9.5 347.
8.0	41.3	3937.1	625.0	-1.1	-9.1	157.8	17.7	-7.4	16.2	311.2	320.5	2.1	54.5	10.7 346.	10.7 346.
8.5	44.2	4211.7	600.0	-2.5	-14.6	161.7	18.5	-5.8	17.6	313.2	319.7	2.1	39.5	12.1 345.	12.1 345.
9.0	47.1	4485.2	575.0	-4.8	-12.3	166.1	18.5	-4.4	18.0	314.4	322.4	2.6	55.4	13.2 345.	13.2 345.
9.5	50.2	4769.7	550.0	-7.6	-9.6	170.0	19.1	-3.3	19.8	315.1	325.3	3.4	82.6	14.7 345.	14.7 345.
10.0	53.1	5052.6	525.0	-9.8	-10.2	170.9	18.0	-2.9	17.8	316.6	326.9	3.4	82.6	16.1 346.	16.1 346.
10.5	56.0	5337.6	500.0	-10.9	-12.3	169.9	18.3	-3.2	19.0	319.7	329.0	2.0	85.3	17.6 346.	17.6 346.
11.0	59.3	5622.4	475.0	-13.3	-15.3	172.7	16.1	-2.1	15.9	321.5	329.3	2.4	88.8	19.0 347.	19.0 347.
11.5	62.7	5907.5	450.0	-16.3	-18.1	176.8	16.6	-0.9	16.6	322.8	329.3	2.0	85.4	20.3 347.	20.3 347.
12.0	66.0	6192.6	425.0	-18.7	-20.5	177.5	18.0	-0.8	16.0	325.0	330.6	1.7	82.8	21.7 348.	21.7 348.
12.5	69.7	6477.7	400.0	-22.2	-24.8	173.7	16.9	-1.8	16.8	326.1	330.4	1.3	79.1	23.4 348.	23.4 348.
13.0	73.2	6762.8	375.0	-25.7	-28.6	175.1	15.4	-1.6	18.4	327.6	330.9	1.0	76.5	24.5 345.	24.5 345.
13.5	76.7	7047.9	350.0	-29.7	-32.8	177.5	20.5	-0.9	20.4	328.7	330.9	0.6	67.3	26.9 349.	26.9 349.
14.0	80.2	7333.0	325.0	-33.5	-37.9	188.3	19.4	2.6	19.2	330.5	332.1	0.4	64.4	28.9 350.	28.9 350.
14.5	83.7	7618.1	300.0	-38.0	-43.8	195.3	17.3	4.6	16.7	331.9	332.8	0.3	52.7	31.0 352.	31.0 352.
15.0	87.2	7903.2	275.0	-42.9	-49.9	190.7	15.5	0.2	15.5	333.2	333.4	99.9	99.9	32.7 353.	32.7 353.
15.5	90.7	8188.3	250.0	-48.8	-56.8	195.3	17.9	-4.6	17.3	335.0	333.4	99.9	99.9	35.0 353.	35.0 353.
16.0	94.2	8473.4	225.0	-54.5	-63.9	195.3	17.9	-8.2	15.9	335.0	333.4	99.9	99.9	37.3 352.	37.3 352.
16.5	97.7	8758.5	200.0	-59.1	-69.9	195.3	20.5	-6.1	19.5	339.2	339.2	99.9	99.9	40.1 350.	40.1 350.
17.0	101.2	9043.6	175.0	-62.1	-75.9	187.5	17.5	2.3	17.1	367.4	369.9	99.9	99.9	42.2 351.	42.2 351.
17.5	104.7	9328.7	150.0	-58.9	-71.9	171.9	12.1	-1.7	12.0	368.8	369.9	99.9	99.9	45.8 351.	45.8 351.
18.0	108.2	9613.8	125.0	-55.1	-69.9	234.2	7.6	6.2	4.4	368.8	369.9	99.9	99.9	47.7 352.	47.7 352.
18.5	111.7	9898.9	100.0	-61.5	-69.9	250.4	4.2	4.0	4.0	408.9	369.9	99.9	99.9	48.1 353.	48.1 353.
19.0	115.2	10184.0	75.0	-61.3	-69.9	125.8	4.2	-3.4	2.4	444.3	369.9	99.9	99.9	49.3 353.	49.3 353.
19.5	118.7	10469.1	50.0	-56.5	-69.9	88.4	7.7	-7.7	-0.2	510.4	369.9	99.9	99.9	49.9 350.	49.9 350.
20.0	122.2	10754.2	25.0	-52.1	-69.9	99.9	99.9	99.9	99.9	634.9	369.9	99.9	99.9	50.7 343.	50.7 343.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 542
 NORTH PLATTE, NEBRASKA

 2° NAV 15°7
 1500 GMT

157 20. 0

TIME MIN	CNTCT	HEIGHT GPM	DDUS MM	TFWD FG C	DEW PT DG C	DIR DG	SPEED M/SEC	U C/JMP M/SEC	V C/JMP M/SEC	PWT T DG K	F PCT Y DG K	MR RTD CM/KG	EM PCT	RANGE KM	AZ DG
0.0	12.3	847.0	911.3	14.4	11.7	270.0	5.5	4.6	0.0	295.3	320.6	5.5	84.0	0.0	0.
00.9	09.0	30.0	1000.0	90.0	09.0	09.0	09.0	44.9	09.0	09.0	09.0	09.0	09.0	09.0	09.0
00.9	09.0	09.0	575.0	90.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0
00.9	09.0	09.0	950.0	90.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0
00.9	09.0	09.0	925.0	90.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0
0.4	14.4	053.0	570.0	14.5	12.3	274.5	4.0	4.0	-0.6	296.5	321.2	10.1	28.6	0.2	57.
1.3	16.9	1190.4	975.0	12.0	0.2	272.1	5.7	3.7	-0.2	297.2	316.2	8.4	78.0	0.4	96.
2.2	14.9	1478.0	450.0	13.0	2.9	241.7	6.4	5.3	-1.3	300.3	316.2	5.5	46.9	0.7	96.
3.1	21.1	1604.4	475.0	12.1	1.4	241.0	6.7	4.2	-2.4	301.5	316.1	5.2	47.3	1.1	68.
4.1	23.6	1944.0	800.0	11.0	0.0	209.6	6.4	5.5	-3.1	302.9	316.5	4.4	46.6	1.5	103.
5.0	23.9	2207.9	775.0	9.5	-1.9	306.4	7.6	4.1	-3.5	302.9	315.2	4.2	47.6	1.8	106.
6.0	24.6	2472.1	750.0	6.5	-2.8	302.0	7.1	4.1	-3.8	303.5	315.6	4.2	51.4	2.3	111.
7.0	31.7	2745.4	725.0	4.5	-4.7	303.7	5.1	4.9	-3.3	304.4	315.2	3.7	51.1	2.7	112.
8.0	34.0	3040.0	700.0	1.4	-5.2	300.4	4.0	4.4	-2.0	304.4	315.2	3.3	53.7	2.9	114.
9.0	35.6	3132.7	675.0	0.4	-6.7	279.3	5.0	5.0	-0.7	306.2	314.2	2.7	46.5	3.1	114.
10.1	39.4	3424.9	650.0	-0.9	-15.5	269.3	7.3	7.3	0.2	306.2	314.2	1.8	31.7	3.5	111.
11.1	42.1	3644.4	625.0	-3.4	-18.5	262.2	7.4	7.7	1.0	304.5	313.0	1.4	30.0	4.0	108.
12.3	45.1	3747.4	600.0	-6.2	-19.3	242.9	9.4	9.3	1.2	300.0	313.7	1.5	27.6	4.5	105.
13.5	49.3	4009.0	575.0	-7.8	-22.5	262.0	11.4	11.3	1.4	310.9	313.3	1.1	26.7	5.2	102.
14.6	51.1	4244.4	550.0	-6.5	-27.9	239.3	11.1	13.6	3.2	312.4	315.1	0.7	20.7	6.0	92.
15.4	44.4	4701.4	525.0	-12.7	-24.2	239.5	11.4	13.2	4.0	313.2	315.5	0.7	25.5	6.6	55.
17.2	57.4	5572.4	500.0	-15.0	-31.6	231.3	13.9	10.9	4.7	314.7	316.6	0.5	22.7	7.4	50.
18.7	61.0	6087.7	475.0	-14.3	-33.0	221.4	15.3	10.2	11.4	315.3	317.0	0.5	26.1	8.5	54.
20.2	64.5	6489.4	450.0	-20.4	-37.2	205.4	18.5	9.0	16.6	317.4	318.6	0.3	20.5	9.5	77.
21.4	68.1	6890.7	425.0	-22.4	-38.0	191.7	22.2	4.5	21.7	320.3	321.5	0.3	22.4	10.7	67.
23.1	71.7	7322.5	400.0	-26.5	-37.4	140.6	23.7	0.3	23.3	320.5	321.6	0.4	24.7	11.6	60.
24.7	75.7	7744.4	375.0	-28.5	-31.7	164.0	25.7	-7.1	24.7	321.9	326.4	0.7	72.8	12.7	50.
26.3	80.0	8277.7	350.0	-32.4	-35.6	152.1	26.7	-12.5	27.6	325.1	328.9	0.5	72.7	13.4	40.
28.0	84.0	8794.7	325.0	-34.2	-39.9	147.3	29.4	-13.4	24.0	324.9	328.2	0.4	68.2	14.8	30.
29.9	88.4	9345.0	300.0	-40.0	99.9	14.4	30.7	-15.9	26.3	328.9	329.9	0.4	99.9	16.6	19.
31.9	92.4	9835.0	275.0	-44.4	99.9	160.4	36.4	-12.2	33.0	330.9	329.9	0.4	95.9	19.5	11.
34.2	103.4	11251.4	250.0	-49.2	99.9	166.7	47.1	-2.9	42.2	333.0	329.9	0.9	95.9	24.2	5.
36.2	103.4	11251.4	225.0	-54.7	99.9	172.0	41.9	-5.4	41.5	334.7	329.9	0.9	95.9	30.6	2.
38.3	107.5	12005.1	200.0	-53.1	99.9	191.4	34.4	0.6	25.4	344.4	329.9	0.9	95.9	36.2	1.
42.3	113.4	12444.7	175.0	-54.3	99.9	179.7	15.0	-0.2	15.9	360.3	329.9	0.9	99.9	39.3	1.
45.6	122.7	13450.6	150.0	-54.9	99.9	211.1	17.2	9.9	14.7	375.6	329.9	0.9	95.9	42.6	2.
49.3	130.3	14021.5	125.0	-54.5	99.9	210.0	10.1	5.0	8.7	396.4	329.9	0.9	99.9	45.0	4.
51.6	130.7	14477.5	100.0	-54.1	99.9	229.7	5.1	5.1	4.3	413.5	329.9	0.9	99.9	46.7	5.
53.9	147.5	15271.7	75.0	-59.4	99.9	133.6	5.7	-4.2	4.0	448.0	329.9	0.9	95.9	48.4	6.
57.9	147.0	20773.5	50.0	-56.3	99.9	98.9	6.7	-6.7	1.0	510.9	329.9	0.9	99.9	48.4	3.
61.1	147.1	25243.5	25.0	-50.4	99.9	84.9	8.5	-8.5	-0.6	640.3	329.9	0.9	95.9	48.7	358.

- BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

- BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

- BY SPEED MEANS ELEVATION ANGLE LESS THAN A DEG

STATION NO. 654
MURRIN, SOUTH DAKOTA

27 MAY 1977
1500 GMT

TIME MIN	CNTCY	HEIGHT COM	PRES MM	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP 4/5FC	V COMP M/SEC	POT T DG K	E POT T DG K	MX PTD CM/SEC	RH PCY	RANGE KM	AZ DG
0.0	10.0	322.0	960.0	18.0	18.1	160.0	9.7	-3.2	4.7	205.5	331.3	13.4	95.0	0.0	0.
00.0	09.9	09.0	1000.0	09.9	09.9	09.0	99.9	59.9	99.9	09.9	09.9	99.9	95.9	999.9	999.
09.0	09.0	09.0	999.0	09.0	09.0	09.0	99.9	99.9	99.9	09.9	09.9	99.9	99.9	999.9	999.
0.2	10.4	492.2	950.0	18.1	16.4	151.4	11.1	-5.3	9.7	205.6	320.0	12.0	91.7	0.4	340.
1.1	13.3	710.4	525.0	16.2	14.1	159.5	13.4	-4.0	12.5	295.9	325.0	11.0	87.5	0.9	340.
1.9	15.6	044.3	900.0	15.0	10.9	168.4	17.1	-3.4	10.8	247.5	322.2	9.2	73.9	1.7	340.
2.7	18.0	1143.0	975.0	13.0	9.5	169.5	16.5	-3.0	10.2	298.2	321.3	6.6	74.9	2.5	343.
3.6	20.5	1427.3	950.0	12.1	7.2	172.4	15.9	-2.1	13.8	294.8	319.3	7.5	72.0	2.3	345.
4.5	23.1	1676.7	925.0	9.4	4.5	175.1	15.1	-1.3	13.2	292.0	315.2	7.4	40.0	4.2	347.
5.3	25.6	1932.7	900.0	9.0	5.6	180.9	13.4	0.2	13.4	300.8	320.4	7.2	76.2	4.9	348.
6.4	29.2	2105.2	775.0	7.3	4.1	184.4	12.5	1.4	12.4	301.6	320.4	6.8	81.4	5.4	351.
7.4	31.0	2364.4	750.0	5.2	4.0	195.2	11.7	1.3	11.6	302.3	321.2	6.4	51.4	6.3	352.
8.4	31.9	2741.3	725.0	4.4	1.0	194.6	11.6	2.4	11.3	304.3	320.5	5.7	75.2	7.0	354.
9.4	35.5	3027.7	700.0	3.0	0.4	201.6	11.5	4.2	10.7	306.8	321.0	5.7	78.3	7.7	356.
10.4	39.4	3323.7	675.0	2.5	-1.0	199.3	12.5	4.0	11.5	308.5	323.7	5.3	77.2	8.3	358.
11.4	42.1	3627.4	650.0	1.7	-2.7	194.4	11.9	7.0	11.5	310.8	324.6	4.8	74.4	9.0	360.
12.5	45.7	3942.7	625.0	-1.1	-7.1	191.0	12.5	2.4	12.1	311.2	325.3	4.3	55.2	9.9	1.
13.4	49.4	4247.5	600.0	-3.2	-5.0	190.7	13.7	2.5	13.5	312.5	325.5	4.4	86.9	10.7	2.
14.8	51.4	4403.7	575.0	-5.1	-7.5	190.4	15.9	7.3	15.7	314.1	325.5	3.8	83.2	11.5	2.
15.0	54.5	4552.1	550.0	-7.2	-10.9	192.0	17.3	3.5	15.9	315.5	324.9	3.1	75.9	12.4	3.
17.3	57.7	4713.7	525.0	-9.2	-12.5	185.6	16.0	1.7	16.8	317.4	325.8	2.7	73.9	14.1	4.
19.4	61.1	4882.0	500.0	-11.7	-14.4	176.7	20.4	-1.2	20.4	319.3	326.9	2.4	75.2	15.6	4.
19.8	64.6	4982.5	475.0	-13.4	-16.3	172.7	25.2	-3.2	25.0	321.3	328.5	2.3	76.7	17.2	3.
21.7	68.0	4491.0	450.0	-16.4	-19.7	169.7	24.9	-4.4	24.8	324.6	328.4	1.0	75.0	19.1	1.
22.5	71.5	4519.0	425.0	-19.3	-22.8	163.7	25.2	-4.7	25.8	326.2	326.9	1.4	73.9	21.2	0.
23.9	75.7	4547.0	400.0	-22.7	-24.8	148.4	25.6	-5.1	25.1	325.5	325.7	1.3	62.8	23.4	355.
25.4	79.3	4578.4	375.0	-25.0	-29.2	162.7	24.5	-7.9	25.3	327.4	330.8	1.0	80.7	25.7	358.
27.0	83.3	4734.9	350.0	-29.5	-34.3	167.4	26.6	-10.1	24.6	329.0	331.1	0.6	62.9	28.0	359.
29.7	87.3	4816.3	325.0	-33.7	-41.1	160.2	26.4	-4.9	24.8	330.2	331.4	0.3	47.0	30.6	359.
30.4	91.7	4814.0	300.0	-37.7	-47.8	149.5	24.7	-5.7	24.3	332.2	332.8	0.2	32.5	33.3	354.
32.1	95.2	4802.8	275.0	-42.4	-49.5	174.0	24.1	-2.0	24.0	333.5	333.5	0.9	95.9	36.1	354.
33.7	100.3	4844.3	250.0	-48.4	-49.9	172.4	30.4	-3.0	30.5	334.9	334.9	99.9	99.9	39.2	354.
35.4	104.2	4872.4	225.0	-54.7	-54.7	179.5	24.1	-0.3	24.1	334.7	334.7	99.9	95.5	42.5	354.
37.7	111.4	4907.6	200.0	-57.2	-57.2	167.7	25.3	-5.4	24.7	342.3	334.9	99.9	99.9	45.7	354.
39.0	117.0	4907.4	175.0	-64.6	-64.6	145.4	26.2	-10.8	23.4	343.3	334.9	99.9	95.9	49.0	353.
42.4	123.3	4870.1	150.0	-57.7	-57.7	143.4	14.5	1.0	14.5	370.7	334.9	99.9	95.9	52.2	353.
45.6	133.0	4820.1	125.0	-56.0	-56.0	141.2	12.1	0.7	12.1	370.7	334.9	99.9	99.9	54.6	353.
48.4	134.9	4820.4	100.0	-60.6	-60.6	143.9	7.4	-0.9	7.3	410.7	334.9	99.9	95.9	56.7	353.
54.9	143.3	4822.4	75.0	-60.0	-60.0	123.2	4.7	-4.1	2.4	443.1	334.9	99.9	95.9	58.2	353.
58.1	150.0	20784.7	50.0	-54.1	-54.1	99.9	4.4	-4.4	0.6	515.9	334.9	99.9	95.9	59.4	351.
74.4	157.3	25254.0	25.0	-61.4	-61.4	99.9	99.9	99.9	99.9	637.4	999.9	99.9	95.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 442
 RAPID CITY, SOUTH DAKOTA

 27 MAY 1977
 1435 GMT

TIME MIN	CVTCT	HEIGHT GDD	PRES MM	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PWT Y DG M	E PWT Y DG M	MR PTO GM/KG	RM FCY	RANGE KM	AZ DG
0.0	14.9	945.0	934.0	13.1	11.0	110.0	4.6	-3.3	1.6	255.6	320.2	5.2	26.6	0.0	0
00.0	99.9	999.9	1003.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
02.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
04.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
06.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
08.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
10.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
12.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
14.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
16.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
18.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
20.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
22.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
24.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
26.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
28.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
30.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
32.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
34.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
36.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
38.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
40.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
42.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
44.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
46.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
48.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
50.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
52.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
54.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
56.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
58.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
60.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
62.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
64.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
66.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
68.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
70.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
72.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
74.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
76.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
78.0	99.9	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

 * BY SPEED MEANS FLUTATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 11001
MARSHALL SFC. ALABAMA
27 MAY 1977
1445 GMT

TIME MIN	CNTCT	HEIGHT GDM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	WIND M/SEC	U. COMP M/SEC	V. CLMP M/SEC	P. T. ° DG K	F. PCT T DG K	MX RTO GP/KG	LP FCT	RANGE KM	AZ CG
0.0	5.0	190.0	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
00.0	99.0	99.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.5	7.1	370.0	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
1.5	0.1	555.0	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
2.5	11.0	784.2	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
3.5	13.1	1017.2	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
4.5	15.2	1255.6	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
5.5	17.3	1500.1	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
6.5	19.5	1751.2	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
7.5	21.6	2008.9	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
8.5	23.8	2273.2	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
9.5	26.0	2548.6	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
10.5	28.2	2824.1	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
11.5	30.4	3111.0	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
12.5	32.6	3402.2	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
13.5	34.8	3698.4	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
14.5	37.0	3999.6	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
15.5	39.2	4305.8	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
16.5	41.4	4617.0	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
17.5	43.6	4933.2	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
18.5	45.8	5254.4	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
19.5	48.0	5580.6	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
20.5	50.2	5911.8	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
21.5	52.4	6248.0	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
22.5	54.6	6589.2	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
23.5	56.8	6935.4	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
24.5	59.0	7286.6	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
25.5	61.2	7642.8	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
26.5	63.4	7994.0	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
27.5	65.6	8350.2	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
28.5	67.8	8701.4	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
29.5	70.0	9057.6	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
30.5	72.2	9413.8	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
31.5	74.4	9770.0	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
32.5	76.6	10126.2	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
33.5	78.8	10482.4	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
34.5	81.0	10838.6	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
35.5	83.2	11194.8	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
36.5	85.4	11551.0	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
37.5	87.6	11907.2	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
38.5	89.8	12263.4	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
39.5	92.0	12619.6	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
40.5	94.2	12975.8	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
41.5	96.4	13332.0	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
42.5	98.6	13688.2	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
43.5	100.8	14044.4	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
44.5	103.0	14400.6	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
45.5	105.2	14756.8	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
46.5	107.4	15113.0	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
47.5	109.6	15469.2	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
48.5	111.8	15825.4	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
49.5	114.0	16181.6	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
50.5	116.2	16537.8	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
51.5	118.4	16894.0	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
52.5	120.6	17250.2	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
53.5	122.8	17606.4	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
54.5	125.0	17962.6	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
55.5	127.2	18318.8	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
56.5	129.4	18675.0	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
57.5	131.6	19031.2	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
58.5	133.8	19387.4	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
59.5	136.0	19743.6	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
60.5	138.2	20099.8	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
61.5	140.4	20456.0	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
62.5	142.6	20812.2	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
63.5	144.8	21168.4	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
64.5	147.0	21524.6	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
65.5	149.2	21880.8	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
66.5	151.4	22237.0	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
67.5	153.6	22593.2	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
68.5	155.8	22949.4	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
69.5	158.0	23305.6	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
70.5	160.2	23661.8	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
71.5	162.4	24018.0	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
72.5	164.6	24374.2	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
73.5	166.8	24730.4	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
74.5	169.0	25086.6	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
75.5	171.2	25442.8	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
76.5	173.4	25799.0	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
77.5	175.6	26155.2	993.0	21.5	18.2	100.0	4.6	-4.5	0.9	267.3	332.5	13.4	72.0	0.0	0.0
78.5	177.8	26511.4	993.0	21.5	18.2	100.0	4.6	-4.5							

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Sounding Data

27 May 1977

1700 GMT

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 229
 CENTREVILLE, ALABAMA

 27 MAY 1977
 1900 GMT

TIME MIN	CNTCT	HEIGHT CDN	REFS MR	TEMP DG C	DEW PT DG C	DIP NG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	WIND T DG K	F PNT T NG K	MR STD GM/KG	RM FCT	RANGE KM	AZ DG
0.0	7.2	140.0	453.7	21.0	13.5	70.0	3.1	-2.0	-1.1	303.7	360.2	14.5	45.0	0.0	0.
0.0	9.2	1000.0	1000.0	21.0	13.5	95.0	9.0	5.0	9.0	390.0	990.0	99.0	99.0	99.0	99.0
0.0	9.1	1000.0	1000.0	21.0	13.5	95.0	9.0	5.0	9.0	390.0	990.0	99.0	99.0	99.0	99.0
1.0	11.1	575.2	950.0	20.7	17.2	31.5	3.6	-1.3	-2.2	294.2	332.0	13.2	20.6	0.4	232.
3.0	13.7	748.8	974.0	19.5	15.8	320.5	0.9	3.6	-0.7	298.3	331.6	12.3	20.7	0.5	228.
3.0	15.9	1091.5	903.0	17.4	14.4	204.5	1.0	0.9	-0.4	293.6	310.4	11.6	11.2	0.4	228.
4.0	18.4	1242.1	175.0	16.1	12.7	204.2	2.0	1.7	-0.4	303.5	327.6	10.4	70.4	0.4	219.
4.7	20.4	1444.6	423.0	14.7	10.5	200.0	3.0	2.8	-1.1	301.4	327.6	5.5	75.1	0.4	194.
5.5	22.4	1731.0	423.0	12.8	9.4	200.0	3.1	2.7	-1.5	302.9	327.7	0.1	87.8	0.4	177.
7.3	25.8	1809.1	900.0	11.0	9.0	200.3	3.1	2.7	-1.5	302.9	327.7	0.1	87.8	0.4	168.
9.3	28.4	2247.4	775.0	8.6	7.2	294.9	3.0	2.7	-1.2	303.4	326.3	8.2	65.5	0.7	166.
9.7	31.1	2474.0	750.0	7.4	7.7	291.9	3.1	3.0	-0.7	304.8	322.3	6.2	71.2	0.8	166.
10.4	33.7	2414.0	725.0	6.1	1.6	272.5	2.5	2.4	-0.1	306.2	323.1	6.0	73.1	1.0	137.
11.4	36.4	2101.4	700.0	4.3	1.5	269.4	2.4	2.5	0.1	307.4	324.0	6.1	81.0	1.4	131.
12.4	39.3	1937.1	675.0	2.5	-0.7	274.7	2.9	2.6	-0.4	308.4	324.0	5.4	76.2	1.2	126.
13.5	42.0	4014.7	600.0	0.4	-1.2	301.4	2.7	2.1	-1.4	307.6	325.3	5.4	67.6	1.4	124.
14.7	45.0	4014.7	623.7	-0.3	-1.5	301.5	2.7	2.1	-1.7	311.5	325.4	4.7	111.2	1.6	125.
15.2	48.1	4342.4	400.0	-2.3	-4.2	300.7	1.8	1.6	-0.9	313.4	324.9	3.8	71.1	1.2	125.
17.0	51.0	4479.7	575.0	-4.1	-4.1	307.9	1.9	1.4	-1.1	315.2	326.1	3.6	73.5	1.9	125.
18.4	54.1	4099.4	450.0	-6.0	-10.3	304.0	3.1	2.6	-1.7	315.9	326.7	2.2	71.6	2.6	125.
19.7	57.1	4702.0	500.0	-7.4	-15.7	300.7	5.7	4.0	-3.5	319.4	327.0	2.2	51.9	2.4	127.
21.0	59.6	4772.0	500.0	-9.1	-20.1	300.8	5.2	2.6	-4.5	321.9	327.0	1.5	46.2	2.9	127.
22.4	62.9	4187.4	474.0	-11.3	-21.0	347.4	4.4	3.0	-4.3	324.0	328.2	1.3	27.2	3.1	131.
23.8	67.3	4480.4	450.0	-14.0	-24.5	340.2	7.5	1.2	-3.3	325.7	329.0	1.0	23.6	3.4	134.
25.4	70.9	4011.0	425.0	-17.4	-28.3	327.6	2.4	1.3	-2.0	326.5	329.0	0.7	21.6	3.7	136.
27.0	74.4	4647.8	400.0	-21.2	-31.6	307.6	1.9	1.6	-1.1	327.5	329.4	0.6	21.5	3.9	136.
28.7	78.5	4647.2	374.0	-25.5	-36.2	304.4	2.2	1.7	-1.4	327.8	329.4	0.5	25.5	4.1	139.
30.5	82.7	4811.5	350.0	-29.5	-40.6	300.1	4.2	1.9	-1.4	329.0	330.1	0.3	22.6	4.4	134.
32.5	86.7	4954.7	324.0	-33.5	-44.3	286.1	4.6	4.4	-1.3	330.3	331.4	0.2	26.4	4.9	131.
34.5	90.7	4954.7	300.0	-37.3	-48.0	282.7	2.1	2.0	-0.5	331.4	332.1	0.2	26.4	5.3	129.
36.4	103.0	10107.4	274.0	-43.2	-53.9	270.1	1.7	1.7	-0.1	331.9	332.1	99.0	95.9	5.4	128.
38.4	107.8	11817.4	240.0	-43.2	-53.9	265.4	1.4	1.4	0.1	331.9	332.1	95.9	95.9	5.4	127.
40.1	109.8	11817.4	240.0	-55.2	-59.9	272.5	2.4	1.8	-0.1	333.9	333.9	99.0	95.9	5.8	125.
42.7	115.4	17154.7	700.0	-60.4	-64.9	301.4	2.4	7.1	-4.4	335.2	335.2	99.0	95.9	6.3	124.
44.9	115.0	12850.7	174.0	-64.1	-64.1	257.1	9.9	7.9	-4.2	344.2	344.2	99.0	95.9	6.3	124.
50.1	122.1	17074.4	150.0	-61.4	-55.9	103.2	9.3	7.9	-4.0	347.7	347.7	99.0	95.9	10.2	122.
54.0	129.5	14048.0	125.0	-62.0	-60.9	102.5	5.4	4.7	-3.0	352.7	349.9	99.0	95.9	11.7	122.
58.8	130.4	14274.9	100.0	-63.5	-60.9	107.4	4.1	3.2	-2.5	357.1	349.9	99.0	95.9	13.1	122.
64.8	147.4	14192.2	75.0	-63.4	-60.9	110.4	2.5	1.9	-1.6	360.0	349.9	99.0	95.9	14.1	122.
72.0	151.5	23709.2	50.0	-59.0	-59.0	109.9	4.5	-4.3	1.8	362.7	349.9	99.0	95.9	14.1	122.
83.8	159.3	24192.2	25.0	-48.4	-59.5	214.8	3.3	1.0	2.7	365.7	349.9	99.0	95.9	11.1	122.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 275
JACKSON, MISSISSIPPI27 MAY 1977
1700 GMT

TIME MIN	CNTCT	HEIGHT GFW	PPFS WT	TEMP DEG C	DEW PT DEG C	DIR NS	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	U-T DEG K	F PCT DEG K	MX STD GM/KG	FM PCT	RANGE KM	AZ DEG
3.0	6.1	170.0	697.9	30.0	19.9	350.0	2.6	0.5	-2.6	103.3	340.5	13.9	51.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	99.9	999.9	999.9	999.9
0.5	9.4	305.0	973.0	28.2	18.0	377.9	1.0	0.0	-1.0	109.5	331.0	11.9	60.2	0.1	162.
1.9	10.7	432.5	950.0	27.7	15.0	397.7	1.7	-1.1	-1.7	109.5	332.5	12.1	65.4	0.1	173.
1.9	13.1	571.9	933.0	15.7	14.7	31.2	1.4	-0.5	-1.7	200.5	330.1	11.5	72.9	0.2	156.
2.5	15.5	603.0	900.0	19.0	14.3	162.7	1.6	0.5	-1.5	100.0	330.9	11.5	79.1	0.3	197.
3.5	19.0	1240.5	875.0	15.0	13.6	305.4	2.1	1.9	-1.1	202.4	329.6	11.3	81.3	0.3	160.
4.9	20.5	1484.5	870.0	14.7	10.6	240.4	2.5	3.6	-0.6	301.1	326.9	5.5	76.6	0.4	166.
6.9	23.0	1738.5	825.0	13.1	7.0	240.4	3.0	3.6	-0.6	301.1	326.9	5.5	76.6	0.4	166.
7.9	25.5	1937.2	800.0	11.4	5.5	251.4	3.9	3.5	-1.5	302.7	323.7	7.3	65.0	0.7	115.
9.4	28.1	2242.1	775.0	9.7	3.9	200.7	3.6	3.2	-1.9	304.3	322.7	6.6	67.0	1.0	117.
9.4	30.4	2518.5	750.0	9.9	2.0	312.0	3.9	2.3	-2.6	305.1	323.0	5.5	62.5	1.2	119.
10.3	33.4	2818.7	725.0	7.4	0.8	314.7	4.3	3.5	-4.4	307.6	323.7	5.6	63.7	1.4	122.
11.4	36.1	3127.1	700.0	5.6	-0.9	314.1	4.0	4.3	-4.2	308.7	323.6	5.2	63.1	1.6	124.
12.7	39.0	3400.9	675.0	4.0	-3.0	315.8	7.0	4.9	-5.0	310.1	323.5	4.6	60.3	2.0	127.
13.0	41.9	3703.0	650.0	2.0	-5.4	311.6	4.0	4.0	-5.3	311.7	323.0	4.0	58.2	2.0	128.
18.9	44.7	4071.9	625.0	0.5	-12.2	314.9	10.3	7.1	-7.5	315.0	322.7	2.5	41.8	3.0	120.
14.0	47.9	4789.4	600.0	-1.0	-12.9	315.5	12.2	4.5	-4.7	315.3	322.6	1.9	33.1	4.0	131.
17.2	53.7	4697.0	575.0	-3.0	-17.0	315.5	10.4	7.3	-7.1	317.5	322.6	1.4	24.7	5.6	132.
14.5	57.0	5037.1	550.0	-5.4	-19.7	312.7	10.6	7.0	-6.9	317.5	322.6	1.4	24.7	5.6	132.
19.0	65.0	5401.0	525.0	-7.7	-27.4	313.5	10.6	4.0	-4.1	321.2	320.5	1.0	26.4	7.4	131.
22.9	63.4	4171.2	475.0	-12.5	-21.4	305.6	6.2	5.1	-3.6	322.5	320.5	0.6	16.3	7.9	131.
24.4	64.9	4494.6	450.0	-15.6	-27.1	311.3	6.4	9.8	-4.2	323.7	320.9	0.4	13.5	8.4	131.
25.0	70.5	7012.0	425.0	-16.2	-29.6	317.0	7.4	5.4	-5.1	324.3	320.4	0.3	14.0	9.1	131.
27.5	74.0	7459.7	400.0	-22.4	-33.7	309.9	6.9	5.4	-3.6	325.9	320.9	0.3	18.9	9.9	131.
20.4	77.0	4030.2	375.0	-26.0	-30.1	306.4	5.5	5.3	-1.5	327.9	320.4	0.3	28.0	10.4	130.
31.2	91.3	4422.0	350.0	-20.7	-35.1	281.2	5.3	3.7	-1.1	328.7	320.3	0.2	35.2	10.9	128.
33.0	95.7	4953.5	325.0	-33.5	-44.1	289.9	4.1	3.7	-1.4	330.5	321.3	0.2	32.2	11.4	127.
35.0	90.0	4604.7	300.0	-38.4	-43.2	247.9	4.1	4.1	-1.1	331.3	321.0	0.1	36.3	11.9	127.
37.1	98.6	10070.0	275.0	-47.2	99.0	241.2	4.7	4.0	-0.9	332.6	320.9	99.9	999.9	12.4	126.
39.4	60.2	10718.7	250.0	-44.1	60.2	271.3	5.3	4.9	-0.4	334.5	320.9	99.9	999.9	13.0	124.
41.0	108.0	11437.0	225.0	-52.3	94.5	270.3	12.7	12.7	-0.1	336.0	320.9	99.9	999.9	14.2	121.
44.4	109.4	12161.0	200.0	-57.0	69.9	266.4	13.1	13.1	-2.1	339.0	320.9	99.9	999.9	16.2	117.
47.1	115.0	12624.6	175.0	-53.1	69.9	231.7	11.1	10.9	-2.5	345.8	320.9	99.9	999.9	17.9	115.
50.3	121.9	13095.6	150.0	-66.1	99.0	237.9	6.0	5.1	-1.2	350.2	320.9	99.9	999.9	19.8	115.
54.0	129.7	14066.4	125.0	-62.1	99.9	200.5	6.7	6.3	-2.3	392.5	320.9	99.9	999.9	20.8	115.
59.5	135.7	14431.4	100.0	-63.2	69.5	164.9	4.2	1.1	-3.0	405.4	320.9	99.9	999.9	22.5	114.
64.1	143.0	14184.7	75.0	-65.7	63.9	273.3	2.4	1.3	-3.4	414.0	320.9	99.9	999.9	22.5	114.
71.9	151.7	20600.4	50.0	-58.4	60.5	74.0	4.7	-3.5	-1.0	505.5	320.9	99.9	999.9	21.9	116.
51.4	140.0	26133.0	25.0	-64.5	69.5	369.9	609.9	45.9	23.0	645.1	609.9	99.9	999.9	19.0	119.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 0 BY TEMP MEANS TEMPERATURE NO TIME HAVE BEEN INTERPOLATED
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN A DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION No. 230
LAKE CHARLES, LOUISIANA

27 MAY 1977
1700 GMT

BLISS MIN	CNCT	WGTCT GPH	WTS W4	TEMP NG C	DFW PT NG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	DIR T NG C	E PWT T DG K	PR ATU GPHKG	RM FCT	RANGE KM	AZ DG
0.0	5.0	5.0	1000.0	24.0	21.1	240.0	1.1	2.7	1.5	131.2	143.1	15.9	13.0	0.0	0.0
0.2	5.7	7.1	1000.0	24.0	20.6	243.6	1.1	2.4	1.4	131.2	143.1	15.9	13.0	0.1	0.2
1.0	7.4	11.6	975.0	24.0	20.3	247.0	1.1	3.4	3.4	131.2	143.1	15.9	13.0	0.3	0.2
1.5	10.1	14.5	950.0	23.0	19.5	274.1	1.0	3.0	-0.3	101.5	142.1	15.3	12.4	0.5	0.1
2.7	12.1	17.4	925.0	20.0	19.5	274.1	1.1	2.6	-1.6	100.5	139.6	14.7	12.4	0.6	0.1
3.9	14.4	18.4	900.0	19.1	14.5	321.2	0.2	0.7	-1.1	101.2	136.9	13.3	12.4	0.8	0.1
5.1	16.4	19.4	875.0	17.5	12.8	324.6	0.4	1.4	-1.0	102.0	131.1	10.8	12.4	1.0	0.1
6.1	18.4	19.4	850.0	17.1	14.4	344.0	0.2	1.0	-0.1	104.1	127.9	8.2	12.4	1.2	0.1
7.8	21.1	19.4	825.0	15.6	14.2	344.0	1.7	0.9	-1.6	105.1	125.5	7.3	12.4	1.4	0.1
9.0	23.6	20.0	800.0	14.1	14.6	347.7	0.7	1.3	-0.1	106.2	125.1	6.7	12.4	1.5	0.1
9.3	25.0	20.0	775.0	12.4	14.6	347.7	0.4	2.7	-0.1	107.4	125.1	6.1	12.4	1.6	0.1
10.7	26.4	20.0	750.0	11.7	14.6	347.7	0.4	2.7	-0.1	108.4	125.1	5.6	12.4	1.7	0.1
12.3	28.1	20.0	725.0	10.1	14.6	347.7	0.4	2.7	-0.1	109.4	125.1	5.2	12.4	1.8	0.1
13.1	29.4	20.0	700.0	9.6	14.6	347.7	0.4	2.7	-0.1	110.4	125.1	4.9	12.4	1.9	0.1
14.4	30.0	20.0	675.0	7.5	14.6	347.7	0.4	2.7	-0.1	111.4	125.1	4.6	12.4	2.0	0.1
15.4	31.1	20.0	650.0	5.5	14.6	347.7	0.4	2.7	-0.1	112.4	125.1	4.4	12.4	2.1	0.1
16.4	32.1	20.0	625.0	3.4	14.6	347.7	0.4	2.7	-0.1	113.4	125.1	4.2	12.4	2.2	0.1
17.4	33.1	20.0	600.0	1.4	14.6	347.7	0.4	2.7	-0.1	114.4	125.1	4.0	12.4	2.3	0.1
18.4	34.1	20.0	575.0	0.4	14.6	347.7	0.4	2.7	-0.1	115.4	125.1	3.8	12.4	2.4	0.1
19.4	35.1	20.0	550.0	-0.4	14.6	347.7	0.4	2.7	-0.1	116.4	125.1	3.6	12.4	2.5	0.1
20.4	36.1	20.0	525.0	-2.5	14.6	347.7	0.4	2.7	-0.1	117.4	125.1	3.4	12.4	2.6	0.1
21.0	37.1	20.0	500.0	-4.4	14.6	347.7	0.4	2.7	-0.1	118.4	125.1	3.2	12.4	2.7	0.1
22.3	38.1	20.0	475.0	-6.4	14.6	347.7	0.4	2.7	-0.1	119.4	125.1	3.0	12.4	2.8	0.1
23.3	39.1	20.0	450.0	-8.4	14.6	347.7	0.4	2.7	-0.1	120.4	125.1	2.8	12.4	2.9	0.1
24.3	40.1	20.0	425.0	-10.4	14.6	347.7	0.4	2.7	-0.1	121.4	125.1	2.6	12.4	3.0	0.1
25.3	41.1	20.0	400.0	-12.4	14.6	347.7	0.4	2.7	-0.1	122.4	125.1	2.4	12.4	3.1	0.1
26.3	42.1	20.0	375.0	-14.4	14.6	347.7	0.4	2.7	-0.1	123.4	125.1	2.2	12.4	3.2	0.1
27.3	43.1	20.0	350.0	-16.4	14.6	347.7	0.4	2.7	-0.1	124.4	125.1	2.0	12.4	3.3	0.1
28.3	44.1	20.0	325.0	-18.4	14.6	347.7	0.4	2.7	-0.1	125.4	125.1	1.8	12.4	3.4	0.1
29.3	45.1	20.0	300.0	-20.4	14.6	347.7	0.4	2.7	-0.1	126.4	125.1	1.6	12.4	3.5	0.1
30.3	46.1	20.0	275.0	-22.4	14.6	347.7	0.4	2.7	-0.1	127.4	125.1	1.4	12.4	3.6	0.1
31.3	47.1	20.0	250.0	-24.4	14.6	347.7	0.4	2.7	-0.1	128.4	125.1	1.2	12.4	3.7	0.1
32.3	48.1	20.0	225.0	-26.4	14.6	347.7	0.4	2.7	-0.1	129.4	125.1	1.0	12.4	3.8	0.1
33.3	49.1	20.0	200.0	-28.4	14.6	347.7	0.4	2.7	-0.1	130.4	125.1	0.8	12.4	3.9	0.1
34.3	50.1	20.0	175.0	-30.4	14.6	347.7	0.4	2.7	-0.1	131.4	125.1	0.6	12.4	4.0	0.1
35.3	51.1	20.0	150.0	-32.4	14.6	347.7	0.4	2.7	-0.1	132.4	125.1	0.4	12.4	4.1	0.1
36.3	52.1	20.0	125.0	-34.4	14.6	347.7	0.4	2.7	-0.1	133.4	125.1	0.2	12.4	4.2	0.1
37.3	53.1	20.0	100.0	-36.4	14.6	347.7	0.4	2.7	-0.1	134.4	125.1	0.0	12.4	4.3	0.1
38.3	54.1	20.0	75.0	-38.4	14.6	347.7	0.4	2.7	-0.1	135.4	125.1	0.0	12.4	4.4	0.1
39.3	55.1	20.0	50.0	-40.4	14.6	347.7	0.4	2.7	-0.1	136.4	125.1	0.0	12.4	4.5	0.1
40.3	56.1	20.0	25.0	-42.4	14.6	347.7	0.4	2.7	-0.1	137.4	125.1	0.0	12.4	4.6	0.1
41.3	57.1	20.0	0.0	-44.4	14.6	347.7	0.4	2.7	-0.1	138.4	125.1	0.0	12.4	4.7	0.1
42.3	58.1	20.0	0.0	-46.4	14.6	347.7	0.4	2.7	-0.1	139.4	125.1	0.0	12.4	4.8	0.1
43.3	59.1	20.0	0.0	-48.4	14.6	347.7	0.4	2.7	-0.1	140.4	125.1	0.0	12.4	4.9	0.1
44.3	60.1	20.0	0.0	-50.4	14.6	347.7	0.4	2.7	-0.1	141.4	125.1	0.0	12.4	5.0	0.1
45.3	61.1	20.0	0.0	-52.4	14.6	347.7	0.4	2.7	-0.1	142.4	125.1	0.0	12.4	5.1	0.1
46.3	62.1	20.0	0.0	-54.4	14.6	347.7	0.4	2.7	-0.1	143.4	125.1	0.0	12.4	5.2	0.1
47.3	63.1	20.0	0.0	-56.4	14.6	347.7	0.4	2.7	-0.1	144.4	125.1	0.0	12.4	5.3	0.1
48.3	64.1	20.0	0.0	-58.4	14.6	347.7	0.4	2.7	-0.1	145.4	125.1	0.0	12.4	5.4	0.1
49.3	65.1	20.0	0.0	-60.4	14.6	347.7	0.4	2.7	-0.1	146.4	125.1	0.0	12.4	5.5	0.1
50.3	66.1	20.0	0.0	-62.4	14.6	347.7	0.4	2.7	-0.1	147.4	125.1	0.0	12.4	5.6	0.1
51.3	67.1	20.0	0.0	-64.4	14.6	347.7	0.4	2.7	-0.1	148.4	125.1	0.0	12.4	5.7	0.1
52.3	68.1	20.0	0.0	-66.4	14.6	347.7	0.4	2.7	-0.1	149.4	125.1	0.0	12.4	5.8	0.1
53.3	69.1	20.0	0.0	-68.4	14.6	347.7	0.4	2.7	-0.1	150.4	125.1	0.0	12.4	5.9	0.1
54.3	70.1	20.0	0.0	-70.4	14.6	347.7	0.4	2.7	-0.1	151.4	125.1	0.0	12.4	6.0	0.1
55.3	71.1	20.0	0.0	-72.4	14.6	347.7	0.4	2.7	-0.1	152.4	125.1	0.0	12.4	6.1	0.1
56.3	72.1	20.0	0.0	-74.4	14.6	347.7	0.4	2.7	-0.1	153.4	125.1	0.0	12.4	6.2	0.1
57.3	73.1	20.0	0.0	-76.4	14.6	347.7	0.4	2.7	-0.1	154.4	125.1	0.0	12.4	6.3	0.1
58.3	74.1	20.0	0.0	-78.4	14.6	347.7	0.4	2.7	-0.1	155.4	125.1	0.0	12.4	6.4	0.1
59.3	75.1	20.0	0.0	-80.4	14.6	347.7	0.4	2.7	-0.1	156.4	125.1	0.0	12.4	6.5	0.1
60.3	76.1	20.0	0.0	-82.4	14.6	347.7	0.4	2.7	-0.1	157.4	125.1	0.0	12.4	6.6	0.1
61.3	77.1	20.0	0.0	-84.4	14.6	347.7	0.4	2.7	-0.1	158.4	125.1	0.0	12.4	6.7	0.1
62.3	78.1	20.0	0.0	-86.4	14.6	347.7	0.4	2.7	-0.1	159.4	125.1	0.0	12.4	6.8	0.1
63.3	79.1	20.0	0.0	-88.4	14.6	347.7	0.4	2.7	-0.1	160.4	125.1	0.0	12.4	6.9	0.1
64.3	80.1	20.0	0.0	-90.4	14.6	347.7	0.4	2.7	-0.1	161.4	125.1	0.0	12.4	7.0	0.1
65.3	81.1	20.0	0.0	-92.4	14.6	347.7	0.4	2.7	-0.1	162.4	125.1	0.0	12.4	7.1	0.1
66.3	82.1	20.0	0.0	-94.4	14.6	347.7	0.4	2.7	-0.1	163.4	125.1	0.0	12.4	7.2	0.1
67.3	83.1	20.0	0.0	-96.4	14.6	347.7	0.4	2.7	-0.1	164.4	125.1	0.0	12.4	7.3	0.1
68.3	84.1	20.0	0.0	-98.4	14.6	347.7	0.4	2.7	-0.1	165.4	125.1	0.0	12.4	7.4	0.1
69.3	85.1	20.0	0.0	-100.4	14.6	347.7	0.4	2.7	-0.1	166.4	125.1	0.0	12.4	7.5	0.1
70.3	86.1	20.0	0.0	-102.4	14.6	347.7	0.4	2.7	-0.1	167.4	125.1	0.0	12.4	7.6	0.1
71.3	87.1	20.0	0.0	-104.4	14.6	347.7	0.4	2.7	-0.1	168.4	125.1	0.0	12.4	7.7	0.1
72.3	88.1	20.0	0.0	-106.4	14.6	347.7	0.4	2.7	-0.1	169.4	125.1	0.0	12.4	7.8	0.1
73.3	89.1	20.0	0.0	-108.4	14.6	347.7	0.4	2.7	-0.1	170.4	125.1	0.0	12.4	7.9	0.1
74.3	90.1	20.0	0.0	-110.4	14.6	347.7	0.4	2.7	-0.1	171.4	125.1	0.0	12.4	8.0	0.1
75.3	91.1	20.0	0.0	-112.4	14.6	347.7	0.4	2.7	-0.1	172.4	125.1	0.0	12.4	8.1	0.1
76.3	92.1	20.0	0.0	-114.4	14.6	347.7	0.4	2.7	-0.1	173.4	125.1	0.0	12.4	8.2	0.1
77.3	93.1	20.0	0.0	-116.4	14.6	347.7	0.4	2.7	-0.1	174.4	125.1	0.0	12.4	8.3	0.1
78.3	94.1	20.0	0.0	-118.4	14.6	347.7	0.4	2.7	-0.1	175.4	125.1	0.0	12.4	8.4	0.1
79.3	95.1	20.0	0.0	-120.4	14.6	347.7	0.4	2.7	-0.1	176.4	125.1	0.0	12.4	8.5	0.1
80.3	96.1	20.0	0.0	-122.4	14.6	347.7	0.4	2.7	-0.1	177.4	125.1	0.0	12.4	8.6	0.1
81.3	97.1	20.0	0.0	-124.4	14.6	347.7	0.4	2.7	-0.1	178.4	125.1	0.0	12.4	8.7	0.1
82.3	98.1	20.0	0.0	-126.4	14.6	347.7	0.4								

STATION NO. 244
 VICINITY: A. TEXAS

 27 MAY 1977
 1700 GMT

TIME MIN.	CHTCY	WFLGHT GOM	POES W	TEMP DG C	DFW AT DG C	RFC DG	SPEED M/SEC	U COMP V/3FC	V COMP M/SEC	POT Y DG K	F PCT Y DG K	MX RTO GP/KG	CM PCT	160 RM	13. 0 RM
0.0	5.4	99.0	1007.4	29.1	20.5	170.0	5.1	-0.3	5.0	301.6	342.4	15.3	60.0	0.0	0.0
0.2	4.0	99.0	1000.0	29.0	21.4	690.0	99.9	99.9	99.9	352.2	346.1	16.5	64.2	999.9	999.9
0.4	9.0	99.0	999.0	29.0	20.4	999.0	99.9	99.9	99.9	302.1	344.0	15.7	68.2	999.9	999.9
1.0	10.1	99.0	999.0	29.5	19.5	999.0	99.9	99.9	99.9	322.1	343.6	15.6	75.2	999.9	999.9
2.0	10.0	99.0	999.0	29.5	19.0	999.0	99.9	99.9	99.9	321.9	342.4	15.2	82.5	999.9	999.9
3.0	14.2	99.0	999.0	19.7	19.1	163.2	6.4	-1.9	5.2	301.9	341.2	14.5	60.4	1.0	356.0
4.0	14.1	99.0	999.0	14.7	18.1	163.5	7.4	-2.1	5.1	300.4	321.9	11.8	67.4	1.0	352.0
5.0	19.4	99.0	999.0	17.7	18.0	163.0	6.6	-1.4	6.5	304.7	321.9	6.1	60.5	1.0	350.0
5.3	20.5	99.0	999.0	17.4	-2.3	164.4	6.2	0.5	4.1	307.2	318.7	3.9	25.7	2.2	250.0
7.3	22.4	99.0	999.0	16.7	-12.5	221.5	4.0	2.9	2.7	308.9	315.3	2.1	14.2	2.4	252.0
9.3	25.0	99.0	999.0	17.1	-14.2	234.0	9.4	3.4	5.1	312.2	316.0	1.2	7.4	2.5	258.0
7.7	17.2	99.0	999.0	15.0	-17.3	253.0	5.9	4.7	5.7	313.9	316.1	1.3	6.7	2.6	4.0
10.3	29.6	99.0	999.0	14.0	-18.4	263.3	7.3	7.3	0.6	314.4	320.2	1.7	12.5	2.8	13.0
11.4	32.1	99.0	999.0	11.6	-20.0	270.4	6.5	6.5	-0.0	315.4	320.4	4.7	38.6	2.0	22.0
12.4	34.9	99.0	999.0	9.1	-20.7	281.4	5.1	6.0	-1.2	315.4	320.4	4.7	42.5	3.1	22.0
17.4	17.2	99.0	999.0	6.1	-21.6	292.4	7.0	6.5	-2.7	316.1	320.4	4.4	40.1	3.2	37.0
14.7	33.0	99.0	999.0	3.5	-23.6	297.7	7.3	5.5	-3.3	316.6	320.6	4.4	40.1	3.2	37.0
15.0	33.4	99.0	999.0	0.6	-24.4	298.5	7.5	6.5	-3.7	316.6	320.6	4.4	40.1	3.2	37.0
17.0	44.4	99.0	999.0	-2.2	-29.2	299.1	9.1	7.9	-4.4	317.5	320.6	4.4	40.1	3.2	37.0
14.9	44.4	99.0	999.0	-5.6	-10.0	299.9	11.3	9.9	-5.4	317.4	320.6	2.1	71.2	4.2	71.0
12.5	51.1	99.0	999.0	-9.3	-15.4	260.6	11.3	10.6	-4.0	318.4	320.6	2.2	56.7	4.8	78.0
20.0	54.3	99.0	999.0	-10.0	-19.1	243.1	11.8	11.3	-3.3	319.6	320.6	1.7	46.9	5.6	82.0
22.4	57.1	99.0	999.0	-12.0	-25.5	305.5	14.5	11.0	-7.8	323.1	323.2	0.0	1.0	6.6	87.0
23.3	40.6	99.0	999.0	-15.1	-41.4	315.3	15.4	10.9	-11.1	324.3	325.2	0.2	6.7	7.0	94.0
25.5	44.1	99.0	999.0	-17.7	-61.2	317.1	15.7	10.7	-11.4	326.3	326.4	0.0	1.0	6.7	101.0
27.0	47.5	99.0	999.0	-21.6	-71.7	316.6	15.7	10.9	-11.4	326.9	327.3	0.0	1.0	10.0	106.0
28.7	71.0	99.0	999.0	-25.6	-65.3	314.8	15.5	11.0	-10.9	327.7	327.6	0.0	1.0	11.3	116.0
30.4	75.0	99.0	999.0	-26.0	-64.1	314.0	16.5	11.0	-11.5	329.6	329.7	0.0	1.4	12.6	117.0
32.2	73.0	99.0	999.0	-33.2	-61.0	323.4	14.3	11.6	-14.1	330.9	331.0	0.0	2.0	14.5	116.0
34.2	71.2	99.0	999.0	-38.3	-65.3	323.9	24.1	14.2	-19.5	331.5	331.5	0.0	4.0	16.6	120.0
35.2	47.4	99.0	999.0	-42.7	-68.9	327.2	25.8	14.0	-21.7	334.0	334.0	0.0	999.9	19.6	124.0
39.5	62.7	99.0	999.0	-47.4	-68.9	327.1	23.6	14.5	-14.6	335.5	335.5	0.0	999.9	22.0	127.0
40.0	97.4	99.0	999.0	-52.2	-66.5	301.1	24.1	20.6	-12.5	334.5	334.5	0.0	999.9	26.0	126.0
41.4	102.4	99.0	999.0	-55.7	-66.5	292.6	31.4	29.0	-12.1	344.4	344.4	0.0	999.9	30.6	126.0
44.2	108.4	99.0	999.0	-57.5	-66.5	299.1	25.1	21.9	-12.2	355.1	355.1	0.0	999.9	35.5	124.0
49.4	115.1	99.0	999.0	-62.0	-66.5	304.2	20.7	16.7	-17.2	361.3	361.3	0.0	999.9	39.7	124.0
53.3	127.7	99.0	999.0	-65.4	-66.5	304.0	19.1	15.2	-17.2	374.0	374.0	0.0	999.9	43.9	124.0
57.0	131.0	99.0	999.0	-67.6	-66.5	314.6	10.4	7.7	-7.6	397.1	397.1	0.0	999.9	48.3	124.0
61.5	130.7	99.0	999.0	-66.2	-66.5	314.6	4.2	-2.7	-3.2	434.1	434.1	0.0	999.9	49.4	125.0
71.2	149.7	99.0	999.0	-69.1	-66.5	314.6	6.1	-6.0	0.4	501.9	501.9	0.0	999.9	49.6	127.0
83.4	149.7	99.0	999.0	-69.0	-66.5	314.6	999.9	99.9	99.9	644.1	644.1	0.0	999.9	45.3	127.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN A AND 10 DEG

* BY TEMP MEANS TEMPERATURE OP TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 5 DEG

STATION NO. 160
STEPHENVILLE, TEXAS27 MAY 1977
1700 GMT

TIME MIN	CNTCT	HEIGHT GM	DPZS W	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	HGT T DG K	E POT T DG K	MR RTO CM/KG	RM PCT	RANGE KM	AZ DG
0.0	5.9	100.0	964.1	26.7	14.8	180.0	4.6	0.0	4.6	303.0	323.0	11.1	42.0	0.0	0.0
99.9	99.9	1000.0	1000.0	49.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	9.4	429.1	950.0	25.9	13.4	180.1	4.4	0.0	4.6	303.1	323.2	10.6	47.2	0.1	14.0
1.4	11.9	747.0	925.0	23.5	13.4	180.3	7.5	1.2	7.4	303.3	323.1	10.6	53.4	0.4	23.0
2.4	14.0	1001.5	900.0	21.2	12.1	185.4	6.0	0.7	6.9	303.3	320.5	9.9	56.1	0.9	9.0
3.2	15.0	1244.4	875.0	19.1	11.3	201.4	7.0	2.3	5.4	303.3	320.3	9.7	55.7	1.2	9.0
4.1	18.3	1497.4	850.0	17.6	10.7	219.0	7.0	4.1	5.7	303.6	321.0	9.6	64.2	1.6	14.0
5.1	20.5	1749.0	825.0	16.2	10.7	209.5	8.1	4.0	7.0	303.7	323.0	9.9	65.2	1.9	14.0
6.0	22.4	2017.7	800.0	14.3	9.6	180.7	4.4	1.4	9.3	303.5	323.4	5.2	35.8	2.4	1.0
7.1	25.2	2286.5	775.0	15.4	0.4	184.4	9.0	0.6	7.9	310.3	325.1	5.1	36.1	2.9	16.0
8.2	27.4	2557.7	750.0	13.4	-0.6	194.1	7.0	1.7	5.4	311.6	325.7	4.8	36.2	3.5	15.0
9.4	29.0	2842.4	725.0	11.9	-2.6	213.5	6.4	3.5	5.4	312.4	325.4	4.4	36.3	3.9	16.0
10.4	32.4	3134.3	700.0	9.7	-2.3	237.4	8.2	6.9	4.4	313.3	327.0	4.8	42.5	4.7	24.0
11.7	35.0	3434.1	675.0	7.3	-0.1	254.6	5.6	9.3	2.3	313.8	330.4	5.6	55.2	5.1	30.0
12.9	37.4	3745.5	650.0	4.1	-1.0	257.7	9.4	9.2	2.0	313.6	325.8	5.5	65.2	5.6	35.0
14.1	40.2	4057.5	625.0	1.4	-2.4	259.4	9.9	9.7	2.0	314.1	324.1	4.7	65.4	5.6	35.0
14.4	42.5	4371.1	600.0	-1.2	-8.6	260.4	11.6	11.4	1.0	314.8	324.9	3.3	56.8	6.2	40.0
14.7	45.4	4728.0	575.0	-4.1	-10.5	265.4	14.5	14.5	1.2	315.2	324.2	2.9	55.3	7.0	46.0
19.1	49.4	5077.9	550.0	-4.9	-14.0	270.1	16.2	16.2	-3.0	315.9	323.3	2.4	56.9	8.1	52.0
19.5	51.4	5433.1	525.0	-8.9	-15.9	274.8	13.2	13.0	-2.0	317.7	318.9	0.3	6.2	9.1	58.0
20.3	54.4	5815.4	500.0	-11.2	-16.5	295.5	13.9	12.5	-6.0	319.4	320.5	0.3	16.2	9.4	62.0
22.4	57.4	6207.3	475.0	-13.9	-18.3	297.6	10.7	17.8	-4.5	320.8	321.8	0.3	10.5	10.7	68.0
24.0	60.4	6614.7	450.0	-15.4	-17.9	294.7	24.1	21.9	-10.1	323.9	325.1	0.3	12.4	12.2	78.0
24.7	64.1	7045.8	425.0	-19.1	-39.6	291.0	23.2	21.6	-9.3	325.8	326.8	0.3	13.0	16.2	82.0
27.4	67.4	7495.0	400.0	-22.1	-44.1	293.0	19.6	19.1	-7.7	326.2	326.9	0.2	11.4	16.2	86.0
29.2	71.0	7944.7	375.0	-25.4	-46.3	301.1	21.2	14.2	-11.0	327.4	328.0	0.2	12.6	18.1	89.0
31.2	74.4	8460.4	350.0	-30.4	-49.1	305.3	22.7	14.3	-13.4	327.5	328.0	0.1	14.2	20.3	94.0
33.1	78.4	8987.4	325.0	-34.0	-51.7	315.9	24.4	17.3	-17.8	328.9	330.2	0.1	14.6	22.5	92.0
34.1	82.4	9530.0	300.0	-39.0	-56.6	317.8	24.0	18.4	-20.7	330.5	330.9	99.9	95.9	25.0	102.0
37.4	87.0	10170.1	275.0	-43.3	-59.9	314.3	31.4	21.7	-23.7	332.6	330.9	99.9	95.9	20.3	107.0
39.4	91.9	10744.9	250.0	-44.1	-59.9	314.3	31.6	21.0	-23.4	334.5	330.9	99.9	95.9	32.5	111.0
42.3	95.4	11451.6	225.0	-48.1	-60.9	311.5	24.5	19.4	-15.2	336.7	330.9	99.9	95.9	36.4	114.0
45.1	101.4	12200.9	200.0	-57.9	-69.9	294.0	23.5	21.5	-9.5	341.1	335.9	99.9	95.9	40.1	118.0
49.4	107.4	13041.5	175.0	-59.4	-69.9	290.9	27.7	25.9	-9.9	351.6	335.9	99.9	95.9	45.0	114.0
53.0	117.4	14000.1	150.0	-61.4	-69.9	294.4	21.4	19.4	-9.4	364.4	335.9	99.9	95.9	51.1	114.0
56.0	120.7	14916.4	125.0	-64.3	-69.9	294.5	14.4	11.5	-9.4	378.5	335.9	99.9	95.9	58.3	118.0
51.2	129.3	14604.2	100.0	-65.1	-69.9	291.6	4.7	4.0	-3.2	401.9	335.9	99.9	95.9	58.7	118.0
67.3	176.7	14248.7	75.0	-64.9	-69.9	10.8	4.2	-0.8	-4.2	430.3	335.9	99.9	95.9	58.7	118.0
73.2	143.3	20743.1	50.0	-54.5	-69.9	22.9	4.8	-4.8	-0.6	504.5	335.9	99.9	95.9	58.7	118.0
89.7	152.3	25270.4	25.0	-49.5	-69.9	90.4	3.2	-3.2	-0.5	642.5	335.9	99.9	95.9	54.1	118.0

* PY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * PY TEMP MEANS TEMPERATURE OF TIME HAVE BEEN INTERPOLATED
 ** 3V SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
QUALITY

STATION NO. 241
 DEL RIO, TEXAS

 27 MAY 1977
 1700 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	POT Y DEG K	MX WTD G/CMG	PH PCT	RANGE KM	AZ DG
0.0	9.1	314.0	973.5	23.8	20.5	120.0	8.2	-5.4	3.1	293.7	341.0	15.9	82.0	0.0	0.
0.9	9.9	99.9	1000.0	99.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	9.9	99.9	974.7	99.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.7	10.1	924.7	540.1	21.7	20.6	131.2	7.4	-3.9	5.1	292.2	342.0	16.3	82.2	0.3	310.
1.7	12.4	740.3	525.0	19.5	18.8	143.8	5.1	-3.1	4.3	239.3	338.7	18.0	82.4	0.7	213.
1.5	10.5	907.2	600.0	18.1	18.4	173.3	4.2	-3.5	4.2	301.4	341.4	15.1	84.9	0.9	319.
3.4	10.6	1240.4	875.0	19.7	17.8	140.2	1.9	0.0	3.9	303.2	343.3	14.9	84.7	1.1	328.
4.5	10.6	1490.7	850.0	17.7	16.7	144.6	4.7	2.4	4.7	304.7	343.3	14.9	84.7	1.1	328.
5.4	21.9	1744.3	925.0	16.0	12.6	219.7	3.0	2.6	1.5	304.7	343.3	14.9	84.7	1.1	328.
4.2	23.4	2011.1	800.0	18.0	11.4	305.9	4.8	3.9	-2.8	310.4	343.3	14.9	84.7	1.1	328.
7.3	25.9	2283.4	775.0	15.7	9.2	313.6	4.1	4.4	-4.2	310.7	337.8	9.6	83.3	1.1	352.
4.7	24.2	2450.9	750.0	14.4	7.7	310.4	4.1	4.6	-3.9	312.2	337.8	9.6	83.3	1.1	352.
9.6	30.4	2664.7	725.0	12.4	5.5	299.4	4.0	1.5	-2.0	313.2	338.9	7.9	83.1	0.7	35.
12.6	31.4	3141.1	700.0	11.7	-1.6	242.9	4.4	4.0	2.0	315.4	338.9	8.0	80.7	0.8	66.
11.6	28.9	2444.6	675.0	10.3	-7.6	231.6	7.3	5.8	4.5	317.2	326.9	3.1	86.2	1.2	47.
12.9	28.7	3757.3	650.0	7.4	-8.8	240.1	9.1	7.9	4.5	317.7	327.1	3.0	86.7	1.4	50.
14.1	41.7	4078.6	425.0	4.4	-9.9	249.2	10.4	9.3	4.6	317.7	326.9	2.9	86.7	1.4	50.
14.4	40.1	4409.5	600.0	1.6	-10.2	249.2	11.4	10.3	4.8	314.0	327.1	2.9	86.7	1.4	50.
16.4	47.1	4700.4	375.0	-1.0	-10.6	249.4	12.7	11.9	4.5	317.4	326.9	3.0	81.2	4.3	90.
14.0	50.2	4102.5	550.0	-4.8	-10.9	256.3	14.4	13.9	3.4	314.4	326.9	3.0	81.2	4.3	90.
14.4	53.0	5457.2	525.0	-6.6	-26.3	275.4	12.7	12.6	-1.2	320.5	323.4	0.8	19.0	6.6	66.
20.9	54.1	5448.1	500.0	-7.1	-34.1	291.4	10.7	10.0	-4.3	340.1	328.2	0.3	6.4	7.3	70.
22.3	60.4	5744.5	475.0	-6.4	-36.3	305.6	11.8	7.6	-6.9	326.4	327.7	0.4	5.0	7.9	78.
23.8	62.9	6042.2	450.0	-12.4	-35.4	314.1	17.4	9.6	-2.3	327.7	329.1	0.4	11.4	8.7	82.
23.5	65.3	7091.4	425.0	-15.7	-38.6	314.1	14.5	10.6	-10.3	329.9	330.0	0.3	11.6	9.6	86.
27.1	70.0	7450.9	400.0	-19.7	-41.9	312.7	15.1	11.1	-10.3	329.4	330.3	0.2	12.3	10.6	94.
23.2	71.7	8028.5	375.0	-23.5	-42.7	312.6	14.9	12.4	-11.4	330.4	331.4	0.2	12.1	12.2	100.
20.9	77.7	8458.8	350.0	-27.5	-44.0	313.6	17.3	12.5	-11.9	332.7	332.5	0.2	12.9	13.0	104.
32.8	81.7	9036.4	325.0	-31.3	-47.0	313.3	19.3	11.4	-13.9	333.6	334.2	0.2	19.3	15.4	108.
32.7	86.0	9215.5	300.0	-35.2	-41.0	313.3	20.7	14.2	-14.4	334.9	335.3	0.1	16.2	17.7	111.
34.9	90.4	10217.7	275.0	-40.9	99.9	305.6	19.4	15.8	-11.3	335.0	335.0	99.9	99.9	20.2	114.
32.1	85.7	12464.8	250.0	-46.2	98.9	294.3	17.4	14.9	-7.2	337.5	337.5	99.9	99.9	22.6	116.
41.9	103.8	14444.6	225.0	-51.5	99.9	277.1	17.3	17.1	-2.1	337.7	337.7	99.9	99.9	24.9	114.
44.1	106.5	17104.0	200.0	-55.3	99.9	275.2	22.2	22.1	-2.0	338.2	338.2	99.9	99.9	27.0	114.
44.8	112.7	17150.4	175.0	-57.2	99.9	285.9	25.4	24.9	-6.9	338.4	338.4	99.9	99.9	31.6	114.
50.0	116.1	14114.2	150.0	-60.5	99.9	244.1	24.1	23.2	-2.8	345.2	345.2	99.9	99.9	36.6	110.
53.5	127.0	15243.5	125.0	-64.4	99.9	244.4	14.0	17.9	-6.9	377.7	377.7	99.9	99.9	40.8	110.
47.4	135.5	14431.0	100.0	-67.9	99.9	311.0	11.1	14.4	-7.3	376.5	376.5	99.9	99.9	45.1	110.
52.7	146.0	14725.2	75.0	-64.2	99.9	37.7	2.4	-1.2	-3.4	434.3	434.3	99.9	99.9	48.7	111.
70.1	151.7	20462.3	50.0	-47.6	92.6	92.7	5.2	-4.2	0.2	507.8	507.8	99.9	99.9	44.3	111.
82.1	143.5	15321.4	25.0	-47.5	94.5	130.9	5.3	-1.9	3.4	644.4	644.4	99.9	99.9	41.8	112.

* BY SLOPED MEANS ELEVATION ANGLE BETWEEN A AND 10 CFC
 * BY TEMP MEANS TEMPERATURE OF TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 327
 NASHVILLE, TENNESSEE

 27 MAY 1977
 1800 GMT

TIME MIN.	CMTCT	WRIGHT GPM	RRFS IN	TEMP DEG C	NEW PT DEG C	DIO DEG	SPED M/SEC	U COMP V/SEC	V COMP M/SEC	DOT Y DEG K	F DOT Y DEG K	MR RTO CM/KG	EM PCT	RANGE KM	AZ DEG
0.0	9.0	140.0	940.3	24.2	17.4	140.0	3.2	0.0	1.2	302.2	336.5	12.8	52.0	0.0	0.
0.5	9.0	98.0	1000.0	59.4	49.5	99.0	99.0	99.0	99.0	40.0	999.9	99.0	995.0	995.0	999.0
0.2	0.5	317.4	575.0	25.0	16.7	224.2	2.7	2.0	1.4	40.0	330.0	12.4	52.0	0.1	00.
0.5	11.7	544.9	540.0	22.0	14.4	224.5	2.3	1.4	1.4	300.4	331.9	11.7	52.0	0.2	03.
1.0	14.2	777.4	925.0	20.1	14.7	202.6	1.4	0.6	1.5	272.4	330.6	11.5	71.4	0.2	02.
1.5	14.2	1017.4	900.0	17.4	14.1	143.4	0.4	-0.2	0.4	249.5	320.4	11.4	81.1	0.3	00.
2.0	15.2	1254.0	875.0	15.3	12.5	112.5	1.0	-0.7	0.7	209.7	327.0	10.5	82.2	0.2	36.
2.5	15.2	1499.7	840.0	13.4	11.5	100.1	3.0	-2.4	1.0	300.6	327.9	10.1	87.9	0.3	0.
3.0	21.5	1741.0	825.0	11.5	10.1	90.4	4.4	-4.5	0.8	300.7	326.4	9.5	51.3	0.4	22.
3.5	24.1	2097.1	800.0	9.9	8.0	81.9	5.3	-5.3	-0.8	301.6	325.4	8.5	88.9	0.6	30.
4.0	25.4	2271.4	775.0	8.0	6.7	74.1	4.3	-4.1	-1.7	302.4	320.4	7.4	74.1	1.0	28.
4.5	25.2	2442.4	750.0	6.2	-6.2	67.9	7.5	-7.4	-0.9	305.6	313.6	6.4	50.1	1.0	28.
5.0	32.1	2621.9	725.0	7.8	-9.2	60.4	5.8	-5.8	-0.1	304.9	312.0	5.9	26.4	1.9	27.
5.5	34.9	2812.0	700.0	5.3	-8.5	102.3	4.4	-4.3	0.8	309.3	317.0	5.4	26.4	2.8	27.
6.0	37.5	3002.0	675.0	3.2	-7.1	108.4	5.0	-6.7	1.6	302.2	319.2	5.3	40.2	2.8	27.
6.5	40.4	3192.7	650.0	1.1	-13.2	104.4	6.9	-6.7	1.7	310.3	317.0	5.3	40.2	2.8	27.
7.0	43.3	3382.4	625.0	1.5	-27.2	94.6	9.1	-9.0	0.7	314.2	316.4	5.6	9.5	2.6	27.
7.5	46.4	3572.9	600.0	-0.1	-26.3	85.2	9.6	-8.6	-0.7	316.0	318.1	5.8	9.7	4.3	27.
8.0	49.5	3762.4	575.0	-1.4	-29.4	73.6	8.2	-7.9	-2.3	318.1	320.1	6.6	5.8	6.9	27.
8.5	52.6	3952.9	550.0	-4.4	-24.9	64.4	6.7	-6.2	-2.7	319.0	321.1	6.6	12.6	5.5	27.
9.0	55.7	4142.4	525.0	-7.6	-30.3	74.8	6.7	-6.5	-1.6	319.3	321.1	6.6	12.6	6.0	24.
9.5	58.2	4332.9	500.0	-10.2	-32.4	109.0	4.2	-5.8	2.0	319.9	321.6	6.5	14.9	6.8	28.
10.0	61.3	4522.4	475.0	-12.4	-34.2	120.4	4.4	-7.2	4.2	322.7	324.2	6.4	14.1	7.0	27.
10.5	64.4	4712.9	450.0	-14.8	-36.1	111.9	7.3	-6.7	3.0	324.6	324.0	6.4	14.3	7.8	27.
11.0	67.5	4902.4	425.0	-16.2	-38.6	177.4	9.4	-4.6	3.5	324.7	324.4	6.3	14.6	8.3	27.
11.5	70.6	5092.9	400.0	-22.1	-41.6	127.7	9.3	-6.4	5.1	324.3	324.2	6.2	14.6	8.9	27.
12.0	73.7	5282.4	375.0	-26.4	-44.8	124.8	9.4	-6.7	5.0	324.5	324.2	6.2	15.7	9.8	28.
12.5	76.8	5472.9	350.0	-30.6	-46.5	124.4	6.3	-5.2	3.6	327.0	328.2	6.2	19.1	10.5	28.
13.0	79.9	5662.4	325.0	-34.8	-48.3	111.5	3.9	-3.6	1.4	329.0	329.7	6.2	28.5	11.1	28.
13.5	83.0	5852.9	300.0	-38.9	-50.1	161.4	1.4	-0.5	1.3	331.0	331.0	6.1	25.2	11.3	28.
14.0	86.1	6042.4	275.0	-43.1	-51.9	177.4	3.0	-2.0	2.2	331.1	331.0	6.0	25.2	11.3	28.
14.5	89.2	6232.9	250.0	-47.2	-53.7	177.4	1.8	-3.4	1.7	332.6	332.6	6.0	25.2	11.3	28.
15.0	92.3	6422.4	225.0	-51.3	-55.5	187.3	4.9	0.4	3.4	334.6	334.6	6.0	25.2	11.3	28.
15.5	95.4	6612.9	200.0	-55.4	-57.3	187.3	5.5	4.4	5.9	334.6	334.6	6.0	25.2	11.3	28.
16.0	98.5	6802.4	175.0	-59.5	-59.1	234.2	7.0	2.4	3.1	342.3	342.3	6.0	25.2	11.3	28.
16.5	101.6	6992.9	150.0	-63.6	-60.9	244.2	4.5	-1.3	1.3	337.5	337.5	6.0	25.2	11.3	28.
17.0	104.7	7182.4	125.0	-67.7	-62.7	17.4	4.5	-1.3	-4.3	342.4	342.4	6.0	25.2	11.3	28.
17.5	107.8	7372.9	100.0	-71.8	-64.8	94.6	3.4	-2.8	0.2	411.4	411.4	6.0	25.2	11.3	28.
18.0	110.9	7562.4	75.0	-75.9	-66.9	108.5	3.7	-1.2	3.4	400.6	400.6	6.0	25.2	11.3	28.
18.5	114.0	7752.9	50.0	-80.0	-69.1	98.6	4.3	-5.2	-1.3	510.2	510.2	6.0	25.2	11.3	28.
19.0	117.1	7942.4	25.0	-84.1	-71.3	98.6	4.8	-2.4	4.2	623.1	623.1	6.0	25.2	11.3	28.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 740
LITTLE ROCK, ARKANSAS
27 MAY 1977
1700 GMT

TIME MIN.	CNTR	WIND GPH	DECS MM	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT 8 DEG K	E POS T DEG K	MK RTD GPHKG	RM PCY	RANGE KM	AZ DEG
0.0	7.0	172.0	991.5	28.4	20.4	350.0	1.0	0.2	-1.0	302.3	343.5	15.4	62.0	0.0	0.0
0.5	90.2	99.0	1000.0	99.9	99.9	90.0	99.5	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.5	8.7	370.9	975.0	26.3	17.0	202.1	1.6	1.5	-0.6	301.6	335.5	12.6	56.7	0.1	165.
1.0	11.0	549.6	950.0	24.1	16.3	300.9	1.1	0.9	-0.6	301.6	334.9	12.4	51.7	0.1	137.
1.4	13.6	742.4	925.0	21.5	15.5	310.6	0.9	0.7	-0.6	301.3	333.8	12.1	68.5	0.1	100.
2.4	16.0	1010.4	900.0	19.2	15.3	371.6	0.7	0.3	-0.6	301.3	334.2	12.1	78.2	0.2	138.
3.4	18.7	1261.4	875.0	17.4	11.7	141.4	0.9	-0.1	0.6	301.9	329.2	10.1	65.9	0.1	152.
4.4	21.2	1500.7	850.0	16.5	9.3	351.2	0.9	0.1	-0.4	301.5	327.5	8.7	62.0	0.1	141.
4.4	23.9	1747.9	825.0	14.9	7.7	42.4	1.6	-1.4	-0.7	304.3	325.9	7.7	56.9	0.1	172.
4.3	26.5	2022.0	800.0	13.7	1.2	353.7	2.2	0.2	-2.2	305.8	320.4	5.2	42.5	0.2	199.
7.2	29.4	2287.4	775.0	11.7	-0.7	320.3	4.1	2.6	-3.1	306.4	320.0	4.7	42.2	0.3	172.
9.2	32.2	2463.4	750.0	10.8	-10.0	201.4	4.0	5.1	-3.2	308.4	315.6	2.4	22.1	0.6	131.
9.2	35.2	2644.9	725.0	9.1	-4.4	294.6	7.1	6.5	-3.0	309.5	320.8	3.8	30.3	1.0	139.
10.4	38.0	3124.5	700.0	6.6	-3.1	294.4	7.8	7.1	-3.2	309.9	322.7	4.4	50.6	1.4	150.
11.4	40.9	3472.3	675.0	4.5	-2.9	299.0	7.2	6.2	-3.6	310.7	324.2	4.5	58.6	1.9	126.
12.5	44.0	3738.6	650.0	2.0	-4.9	311.3	5.1	4.6	-4.0	311.3	323.4	4.1	55.9	2.4	126.
13.6	47.3	4054.1	625.0	0.1	-8.6	332.0	3.7	1.9	-3.3	312.6	322.3	3.2	51.7	2.7	128.
14.9	50.4	4373.7	600.0	-1.0	-12.5	337.4	2.6	1.0	-2.4	314.9	322.5	2.4	41.4	2.8	150.
16.0	53.7	4715.4	575.0	-2.6	-9.0	291.3	3.5	3.2	-1.3	317.0	327.4	3.4	61.4	3.0	130.
17.3	56.9	5071.0	550.0	-4.9	-10.7	257.4	5.0	4.9	1.1	318.2	327.6	3.1	64.1	3.3	126.
18.4	60.4	5435.7	525.0	-7.1	-13.2	248.8	4.2	3.9	1.5	319.9	328.3	2.6	61.6	3.5	121.
19.9	64.1	5814.2	500.0	-10.2	-15.5	250.1	3.7	3.5	1.3	320.6	327.8	2.3	65.1	3.7	118.
21.3	67.6	6207.6	475.0	-13.2	-17.7	254.3	5.1	4.9	1.4	321.6	328.1	2.0	69.0	4.0	1.4.
22.4	71.3	6614.9	450.0	-16.7	-19.2	251.8	7.0	6.6	2.2	322.3	328.4	1.9	60.7	4.4	112.
24.2	75.1	7047.9	425.0	-19.9	-22.1	255.1	7.7	7.5	2.0	323.5	328.5	1.5	62.2	4.9	105.
25.6	78.5	7481.0	400.0	-23.2	-25.6	246.3	5.5	5.0	2.2	324.8	328.7	1.2	75.4	5.5	101.
27.4	82.3	7920.9	375.0	-26.3	-28.6	218.1	3.7	3.1	1.9	326.8	329.6	0.4	66.3	5.8	99.
29.1	87.7	8456.8	350.0	-29.1	-30.7	211.9	4.5	2.4	3.8	329.5	330.9	0.4	38.8	6.1	98.
31.0	92.3	8942.2	325.0	-33.4	-42.6	179.7	5.6	-0.0	5.6	330.7	331.7	0.3	28.8	6.2	91.
32.4	96.8	9500.1	300.0	-37.8	-46.1	159.8	6.6	-2.3	6.2	332.1	332.8	0.2	41.2	6.1	88.
34.9	101.4	10117.7	275.0	-42.5	-49.9	164.7	7.0	-1.9	6.7	333.7	333.9	95.9	955.9	5.9	77.
37.1	107.2	10749.4	250.0	-47.1	-49.9	171.2	7.6	-1.2	7.5	335.8	333.9	99.9	975.9	6.0	68.
39.5	112.6	11459.0	225.0	-52.0	-49.9	175.6	8.6	-0.7	9.6	337.1	333.9	99.9	999.9	6.4	57.
42.1	118.5	12208.4	200.0	-57.4	-49.9	204.0	7.1	2.9	6.5	341.8	333.9	99.9	999.9	7.3	46.
44.1	124.5	13034.5	175.0	-61.2	-47.5	297.6	7.2	6.3	-3.3	348.9	333.9	99.9	999.9	8.0	50.
45.3	131.3	13984.4	150.0	-63.0	-47.5	361.4	5.4	4.6	-2.4	351.5	333.9	99.9	999.9	8.9	61.
52.3	139.3	15127.9	125.0	-60.0	-49.9	272.9	5.5	5.9	-0.3	356.3	333.9	99.9	999.9	9.9	64.
56.9	145.0	16504.4	100.0	-62.3	-49.9	279.8	4.1	4.0	-0.7	407.3	333.9	99.9	999.9	10.0	69.
52.7	142.8	14274.8	75.0	-64.2	-49.9	34.6	2.5	-1.5	-2.0	438.3	333.9	99.9	999.9	10.3	72.
70.5	150.5	20804.0	50.0	-57.2	-49.9	32.3	1.7	-3.6	-0.5	508.8	333.9	99.9	999.9	9.3	71.
82.8	157.0	25244.8	25.0	-49.2	-49.9	120.0	10.2	-8.8	5.1	643.1	333.9	99.9	999.9	4.7	81.

* WY SPEED MEANS ELEVATION ANGLE BETWEEN A AND 10 DEG
* WY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** WY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 346
MONETT, MISSOURI

TIME MIN.	CUTCT	WIGHT Gm	PACS MM	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	F POT Y DG K	MX PTO GPMG	RM FCT	RANGE KM	AZ CG
2.0	10.7	414.0	941.1	24.1	17.5	150.0	2.4	0.5	2.4	102.7	336.2	13.2	59.0	0.0	0.
99.0	99.0	99.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.2	11.0	540.3	940.0	24.2	15.4	225.3	4.2	4.2	4.2	101.8	334.1	12.0	55.6	0.2	40.
0.9	11.6	773.1	925.0	22.0	15.1	222.4	4.3	4.3	4.3	101.4	333.6	11.3	64.9	0.3	42.
1.3	15.5	1010.9	900.0	19.4	14.5	217.5	6.7	4.1	5.3	101.0	333.3	11.6	71.4	0.3	42.
1.8	14.7	1243.2	475.0	17.4	14.0	214.4	7.0	4.0	5.4	101.8	333.1	11.6	80.6	0.7	39.
2.5	20.7	1590.4	250.0	14.7	13.1	210.4	9.5	6.0	7.3	101.5	331.9	11.3	86.5	1.0	38.
3.1	23.1	1737.5	423.0	12.5	9.4	223.2	11.3	7.4	8.1	101.8	325.4	8.7	78.7	1.5	30.
4.1	25.5	2010.6	900.0	10.4	6.8	227.2	11.9	8.7	8.1	102.5	323.9	7.8	76.9	2.2	41.
5.0	24.0	2274.9	775.0	8.9	5.2	229.0	10.7	9.1	5.7	103.4	323.8	7.4	75.2	2.7	42.
5.9	30.7	2544.7	750.0	7.3	2.6	241.7	8.7	8.3	2.7	104.5	321.9	6.2	72.1	3.3	47.
7.0	33.3	2825.2	725.0	6.3	1.3	245.2	7.3	7.5	1.9	106.4	322.9	5.8	76.3	3.7	51.
7.9	35.2	3112.5	700.0	4.4	-0.2	259.2	9.4	4.5	1.6	107.4	322.9	5.4	71.9	4.1	53.
9.8	37.7	3407.9	675.0	2.0	-0.5	257.1	9.1	8.8	2.0	109.0	323.7	5.5	63.6	4.6	56.
9.7	41.2	3711.8	650.0	0.0	-2.4	242.6	6.4	5.7	2.9	107.9	323.0	4.8	61.0	5.0	58.
10.0	44.1	4025.4	625.0	-1.9	-5.7	215.4	5.4	3.1	4.5	110.3	324.3	4.5	62.2	5.7	55.
12.0	47.0	4350.0	400.0	-2.7	-8.4	190.3	7.1	1.7	9.0	113.0	326.3	3.4	68.4	6.2	48.
13.7	50.0	4647.2	575.0	-3.0	-8.9	172.9	12.2	-1.5	12.1	115.4	325.7	3.2	70.6	6.8	41.
14.5	52.9	5017.4	525.0	-5.8	-10.3	172.6	11.9	-0.3	11.8	117.2	327.0	3.0	75.2	7.4	37.
15.9	55.3	5400.4	500.0	-8.0	-11.6	174.1	9.5	-0.3	9.5	118.8	328.1	3.0	78.6	7.9	34.
17.1	59.0	5773.4	500.0	-9.0	-12.4	203.4	8.2	3.2	7.5	122.0	325.5	1.0	27.2	7.9	34.
19.4	62.3	6174.3	475.0	-12.4	-23.1	225.1	4.9	6.3	6.3	122.7	326.0	1.2	46.2	8.6	32.
20.0	63.4	6425.1	450.0	-15.6	-23.0	222.1	9.4	6.6	7.3	123.6	324.0	1.3	52.9	8.4	26.
21.5	66.0	7013.7	425.0	-19.0	-23.9	215.1	10.6	4.7	8.2	124.7	325.0	1.3	60.7	10.4	36.
23.0	73.3	7443.2	400.0	-22.3	-24.7	215.2	10.4	6.4	4.7	126.0	330.3	1.3	60.7	11.4	36.
24.6	76.0	7833.1	375.0	-24.9	-24.3	204.6	9.2	3.4	7.4	127.3	330.7	1.0	75.7	12.3	36.
24.4	80.0	8420.5	350.0	-29.6	-24.4	201.9	6.7	2.5	6.2	128.9	331.4	0.7	74.5	13.0	35.
24.0	81.5	8944.0	325.0	-33.8	-27.7	192.0	9.6	2.0	9.4	130.0	331.7	0.5	75.2	13.7	34.
29.4	91.4	9810.4	300.0	-38.1	-47.2	173.1	10.3	-1.2	10.2	131.7	332.3	0.2	37.5	14.7	32.
31.7	92.3	10171.0	275.0	-42.7	-47.2	152.4	10.9	-3.7	10.2	133.4	330.9	99.9	95.6	15.5	29.
33.9	94.9	10740.0	250.0	-47.0	-47.0	164.5	13.5	-3.6	13.0	136.1	330.9	99.9	99.9	16.4	25.
36.2	101.4	11470.3	225.0	-52.6	-47.0	156.2	13.8	-5.1	12.8	137.9	330.9	99.9	95.6	18.1	21.
39.6	107.0	12141.4	200.0	-57.7	-47.7	171.1	9.9	-1.5	9.9	141.4	330.9	99.9	95.6	19.4	17.
41.7	112.5	13014.4	175.0	-62.7	-47.7	240.4	7.3	0.4	3.6	146.5	330.9	99.9	95.6	20.5	17.
44.3	113.5	13344.0	145.0	-59.3	-49.9	200.4	7.9	1.4	-0.9	147.4	330.9	99.9	95.6	21.8	21.
47.4	124.5	15104.1	125.0	-50.4	-49.9	227.4	6.8	0.8	-0.9	149.3	330.9	99.9	95.6	22.6	24.
52.0	135.4	14422.4	100.0	-41.3	-49.9	237.3	3.6	3.0	2.0	401.3	330.9	99.9	95.6	23.4	20.
57.3	140.4	15773.5	75.0	-42.0	-49.9	111.9	2.1	-2.0	3.9	401.3	330.9	99.9	95.6	21.4	20.
64.3	145.0	16730.2	50.0	-59.1	-49.9	90.4	6.3	-0.3	0.1	506.7	330.9	99.9	95.6	20.6	8.
74.9	149.7	24254.7	25.0	-61.5	-49.9	999.0	99.9	99.9	99.9	636.9	330.9	99.9	95.6	20.6	8.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION F.J. 353
OKLAHOMA CITY, OKLAHOMA

27 MAY 1977
1700 GMT

TIME MIN.	CNTCT	WEIGHT SPW	PRES MB	TEMP MC C	DEW PT MC C	DIR DG	SPED W/SEC	U COMP W/SEC	V COMP W/SEC	POT T DG K	F POT T DG K	MX RYD G/KG	RM PCT	RANGE KM	AZ DG
0.0	0.7	372.0	547.9	21.7	14.6	140.0	4.2	-2.1	5.8	294.0	331.0	12.5	71.0	0.0	0.
93.9	99.9	99.0	1002.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	11.0	415.5	945.0	20.0	99.9	171.7	10.0	-1.4	9.9	297.5	326.2	10.0	95.5	0.2	350.
1.3	13.3	745.9	575.0	19.6	12.4	177.7	13.4	-0.5	11.3	297.5	326.2	10.0	95.5	0.2	350.
2.4	15.6	841.7	900.0	19.4	12.7	149.4	14.4	2.1	14.3	301.5	329.4	10.0	95.5	0.2	350.
3.4	14.0	1225.2	874.0	19.4	12.7	149.4	15.7	5.1	14.8	301.5	329.4	10.0	95.5	0.2	350.
4.2	20.4	1475.4	874.0	15.2	13.0	206.0	15.1	6.6	13.5	302.1	332.3	11.2	95.5	2.7	359.
5.4	22.4	1725.4	874.0	13.5	10.6	215.4	15.1	7.9	11.0	302.9	329.4	11.2	95.5	2.7	359.
6.4	25.7	1934.4	900.0	12.1	9.7	237.2	11.7	9.3	6.7	306.1	330.4	11.2	95.5	2.7	359.
7.5	27.9	2251.2	775.0	11.4	4.8	237.2	11.7	9.3	6.7	306.1	330.4	11.2	95.5	2.7	359.
8.7	20.4	2474.0	750.0	5.4	5.7	237.2	11.7	9.3	6.7	306.1	330.4	11.2	95.5	2.7	359.
9.7	31.0	2795.4	725.0	7.9	0.3	244.3	10.9	9.3	6.7	306.1	330.4	11.2	95.5	2.7	359.
10.9	34.7	3034.4	700.0	6.4	-4.1	247.7	9.1	10.1	5.3	306.1	330.4	11.2	95.5	2.7	359.
12.1	34.4	3302.0	675.0	5.9	-6.2	247.7	9.1	10.1	5.3	306.1	330.4	11.2	95.5	2.7	359.
13.2	41.2	3607.5	650.0	1.4	-9.1	255.0	10.4	10.5	2.5	310.6	320.7	11.2	95.5	2.7	359.
14.4	44.0	4011.0	625.0	-1.4	-9.1	255.0	11.6	11.5	2.5	310.6	320.7	11.2	95.5	2.7	359.
15.4	47.0	4435.4	600.0	-4.4	-13.1	255.0	13.4	13.1	2.7	310.6	317.9	11.2	95.5	2.7	359.
16.9	50.0	4849.5	575.0	-6.7	-20.6	254.4	15.5	15.5	1.4	312.2	316.3	11.2	95.5	2.7	359.
18.0	53.0	5215.2	550.0	-8.0	-24.6	254.4	17.1	17.1	1.6	314.0	317.1	11.2	95.5	2.7	359.
20.7	59.4	5750.4	500.0	-11.4	-29.2	270.5	17.3	17.3	-0.2	315.2	317.5	11.2	95.5	2.7	359.
22.7	63.7	6141.4	475.0	-12.4	-32.1	257.3	14.1	14.1	-3.3	319.0	321.0	11.2	95.5	2.7	359.
23.9	64.1	6442.5	450.0	-17.4	-34.9	301.4	19.4	16.5	-7.3	320.8	322.6	11.2	95.5	2.7	359.
25.3	65.4	6874.4	425.0	-20.2	-37.2	294.9	20.7	14.5	-10.2	321.3	322.9	11.2	95.5	2.7	359.
27.1	71.9	7430.7	400.0	-24.7	-40.7	287.0	22.0	20.9	-7.2	323.0	323.9	11.2	95.5	2.7	359.
29.0	77.9	7884.0	375.0	-29.1	-43.6	287.0	21.6	20.5	-6.4	323.0	323.9	11.2	95.5	2.7	359.
31.0	81.2	8374.8	350.0	-32.4	-46.6	251.9	14.6	17.3	-6.0	324.5	325.1	11.2	95.5	2.7	359.
33.0	83.4	8845.4	325.0	-35.4	-49.7	207.4	17.4	15.7	-4.3	327.4	327.9	11.2	95.5	2.7	359.
35.0	84.4	9345.4	300.0	-38.4	-52.7	273.2	22.0	20.2	-4.7	329.8	329.9	11.2	95.5	2.7	359.
37.1	94.2	10044.4	275.0	-44.0	-55.9	207.0	20.2	15.2	-4.2	331.5	331.5	11.2	95.5	2.7	359.
38.9	99.0	10444.1	250.0	-48.7	-59.9	244.7	17.1	17.0	-4.2	331.5	331.5	11.2	95.5	2.7	359.
41.1	104.2	11144.7	225.0	-52.4	-63.9	253.7	17.4	17.4	-4.2	331.5	331.5	11.2	95.5	2.7	359.
43.4	109.9	11944.2	200.0	-57.0	-67.9	253.4	22.2	21.2	-4.2	331.5	331.5	11.2	95.5	2.7	359.
45.2	115.4	12944.2	175.0	-61.7	-71.9	274.3	27.2	27.2	-4.2	331.5	331.5	11.2	95.5	2.7	359.
47.1	122.3	13944.0	150.0	-66.4	-75.9	274.3	27.2	27.2	-4.2	331.5	331.5	11.2	95.5	2.7	359.
49.4	128.5	14944.1	125.0	-71.1	-79.9	274.3	27.2	27.2	-4.2	331.5	331.5	11.2	95.5	2.7	359.
51.7	137.7	16144.4	100.0	-75.9	-83.9	274.3	27.2	27.2	-4.2	331.5	331.5	11.2	95.5	2.7	359.
53.9	146.7	17144.7	75.0	-80.6	-87.9	274.3	27.2	27.2	-4.2	331.5	331.5	11.2	95.5	2.7	359.
56.9	155.4	20714.0	50.0	-85.0	-91.9	274.3	27.2	27.2	-4.2	331.5	331.5	11.2	95.5	2.7	359.
59.1	167.0	25144.7	25.0	-90.5	-95.9	102.3	8.5	-8.3	1.8	630.6	630.6	99.9	99.9	38.1	90.

BY SPEED MEANS ELEVATION ANGLE BETWEEN 4 AND 10 DEG
BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 433
SALEM, ILLINOIS

27 MAY 1977
1715 GMT

TIME MIN.	CNTCT	WGTGHT GWS	PRFS MR	TEMP DG C	DEW PT DG C	DIR DS	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PWT Y DG K	E POT Y DG K	MX RTD GM/KG	RM PCT	RANGE KM	AZ CG
0.0	7.7	175.0	990.6	26.1	10.2	50.0	1.5	-1.4	-0.8	302.1	324.1	6.0	22.0	6.0	0.
99.0	99.0	99.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.6	9.2	315.5	575.0	26.6	7.9	224.4	2.7	1.9	1.9	301.9	320.9	6.0	20.2	0.2	222.
1.9	11.3	943.4	950.0	23.8	6.4	162.3	3.1	-0.9	1.0	301.4	319.1	6.4	20.2	0.4	342.
2.7	13.7	779.4	925.0	21.5	6.5	141.0	2.7	-1.9	2.2	301.3	319.6	6.0	37.8	0.5	337.
3.9	15.9	1011.8	900.0	19.5	3.2	142.0	2.5	-0.5	1.9	301.6	316.7	5.4	24.1	0.7	371.
4.8	17.4	1243.0	975.0	16.5	4.0	160.8	2.0	-0.3	1.9	301.2	317.6	5.9	42.6	0.9	333.
5.7	20.9	1409.2	952.0	14.7	-2.6	144.5	3.4	-0.9	3.2	301.6	312.4	2.5	20.4	0.9	334.
5.6	23.1	1730.7	925.0	13.5	-5.5	142.0	5.3	-1.0	5.2	302.9	308.4	2.2	18.6	1.2	328.
7.6	28.6	2009.1	900.0	12.6	-19.2	141.2	6.5	-3.1	5.7	304.6	298.2	1.2	10.2	1.5	338.
9.6	34.0	2246.3	775.0	11.7	-20.8	145.6	6.6	-1.7	5.5	305.3	295.3	0.9	8.5	1.9	326.
9.5	40.7	2546.9	750.0	9.3	-22.2	142.0	7.6	-1.7	6.0	306.7	289.5	0.9	8.7	2.3	334.
10.6	43.3	2824.4	725.0	7.8	-23.2	171.4	9.5	-0.1	5.9	308.0	280.6	0.0	8.9	2.6	331.
11.7	45.9	3114.8	700.0	6.2	-24.1	124.4	9.3	-0.3	5.8	309.4	281.9	0.0	5.1	3.3	325.
12.7	48.7	3412.1	675.0	5.1	-24.8	132.7	8.1	-0.9	5.5	311.4	281.9	0.7	5.2	3.8	325.
14.9	51.3	3719.4	650.0	4.2	-25.4	143.5	6.1	-0.8	5.5	313.7	281.2	0.7	5.3	4.4	324.
15.3	53.7	4034.6	625.0	-0.1	-25.4	133.7	7.7	-0.5	5.3	315.1	281.8	0.8	12.9	5.5	324.
17.4	56.7	4703.7	575.0	-2.6	-24.2	124.4	5.5	-0.5	3.1	319.4	320.3	0.6	11.6	6.5	320.
18.1	57.6	5054.7	550.0	-4.8	-20.2	124.4	5.5	-0.5	3.1	319.4	320.3	0.6	11.6	6.5	320.
20.4	59.7	5419.9	525.0	-7.0	-23.3	147.4	5.1	-0.7	4.3	320.0	321.5	0.4	10.4	7.3	321.
21.9	63.7	5797.5	500.0	-9.7	-25.1	172.1	6.3	-0.9	6.3	321.2	322.5	0.4	10.4	8.5	320.
24.1	63.7	6161.2	475.0	-12.4	-18.2	162.2	9.5	-1.9	9.2	322.9	322.9	0.4	14.3	9.3	327.
24.5	65.6	6401.2	450.0	-15.0	-16.6	163.0	8.5	-2.5	8.1	323.1	324.7	0.4	15.0	8.6	325.
26.1	70.5	7023.3	425.0	-19.2	-37.0	167.7	8.0	-1.7	7.8	324.4	325.7	0.4	18.8	9.5	325.
27.4	73.4	7472.0	400.0	-22.4	-32.8	174.1	7.3	-0.8	7.3	325.9	330.2	0.4	18.8	9.5	325.
29.1	77.6	7949.1	375.0	-25.7	-33.2	171.8	6.1	-0.9	6.1	327.6	329.8	0.6	48.8	10.6	330.
31.0	81.6	8444.0	350.0	-30.0	-38.6	177.9	6.0	-0.2	5.0	328.3	329.7	0.4	42.6	11.1	331.
32.9	85.7	8943.2	325.0	-34.4	-43.6	177.1	7.3	-0.4	7.2	329.3	330.2	0.2	26.3	11.7	332.
34.9	90.2	9512.5	300.0	-39.2	-49.9	171.1	9.0	-1.4	8.9	330.1	330.9	99.9	99.9	12.7	336.
36.9	92.5	10112.2	275.0	-44.2	-54.9	173.9	7.7	-0.8	7.7	331.2	330.9	99.9	99.9	13.7	336.
39.9	92.5	10743.6	250.0	-49.6	-59.9	171.8	9.4	-1.2	6.3	332.2	330.9	99.9	99.9	14.6	337.
41.2	104.8	11425.3	225.0	-54.5	-64.9	179.4	5.1	-0.1	5.1	334.6	330.9	99.9	99.9	15.5	338.
43.7	110.4	12159.7	200.0	-60.4	-69.9	150.3	4.7	-2.3	4.0	337.1	330.9	99.9	99.9	16.2	338.
45.6	116.3	12893.6	175.0	-63.6	-69.9	138.0	3.5	-2.3	2.7	345.1	330.9	99.9	99.9	16.9	338.
50.0	127.3	13940.0	150.0	-61.4	-69.9	146.9	2.1	-1.1	1.7	354.3	330.9	99.9	99.9	17.3	337.
54.0	130.5	15073.3	125.0	-60.5	-69.9	281.1	1.6	1.8	-0.3	355.4	330.9	99.9	99.9	17.3	336.
58.6	139.0	16444.4	100.0	-61.5	-69.9	106.9	1.7	1.4	-1.0	408.9	330.9	99.9	99.9	17.6	336.
64.2	145.7	18243.7	75.0	-62.9	-69.9	7.9	3.9	-0.5	-3.8	441.1	330.9	99.9	99.9	17.6	336.
72.2	156.1	20755.1	50.0	-56.3	-69.9	77.5	7.0	-0.8	-1.5	510.9	330.9	99.9	99.9	17.5	336.
84.3	167.0	25242.1	25.0	-47.6	-69.9	153.7	6.5	-2.9	5.9	447.6	330.9	99.9	99.9	21.5	314.

BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 456
TOPEKA, KANSAS

27 MAY 1977
1700 GMT

156 12. 0

TIME MIN.	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG C	F POT B DEG C	MX WND GPM/SEC	RM GCT	RANGE KM	AZ DEG
0.0	7.6	969.0	975.0	21.1	19.4	170.0	4.1	-0.7	6.0	296.1	334.4	16.7	90.0	3.0	0.
0.1	9.0	969.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.1	9.7	970.0	975.0	21.4	19.2	99.0	99.0	99.0	99.0	296.7	334.7	16.6	97.2	999.9	999.9
1.0	13.8	970.0	970.0	19.6	17.9	990.0	990.0	99.0	99.0	297.1	333.3	13.8	90.1	999.9	999.9
3.0	13.2	970.0	975.0	18.9	17.4	990.0	990.0	99.0	99.0	298.5	334.8	13.7	91.1	0.5	54.
7.0	15.5	970.0	975.0	17.2	16.0	262.0	7.6	7.5	1.1	299.3	332.3	12.8	92.2	0.5	105.
9.2	15.9	970.0	975.0	16.6	13.9	104.5	10.0	2.7	10.5	301.1	332.1	11.5	94.0	0.5	95.
9.3	22.1	1277.0	975.0	14.7	12.9	202.0	9.7	1.6	0.0	301.6	331.5	11.1	98.7	1.5	36.
9.3	22.7	1775.0	975.0	11.9	9.6	214.2	9.4	4.7	6.0	301.2	326.1	5.2	98.2	2.1	34.
7.5	25.2	1981.5	975.0	10.4	7.8	107.8	8.7	1.8	9.1	302.4	323.9	7.8	77.3	2.6	33.
8.9	27.6	2287.0	975.0	8.4	5.4	171.6	10.0	-1.5	9.9	303.1	323.5	7.3	79.0	3.2	25.
12.1	30.2	2518.7	750.0	6.6	4.1	172.8	11.5	-1.5	11.4	303.7	321.0	6.9	84.2	4.0	18.
12.9	31.0	2704.8	725.0	4.8	1.5	172.2	13.6	-1.8	13.4	304.7	321.8	6.1	81.2	5.2	12.
13.4	32.4	2835.0	700.0	3.5	0.6	174.1	14.0	-1.6	14.9	305.4	322.7	5.7	81.1	6.3	8.
16.2	42.3	3277.5	675.0	1.2	-0.7	175.4	15.0	-1.1	15.0	307.0	322.5	5.4	87.2	7.6	6.
16.2	43.3	3481.3	650.0	0.2	-1.8	175.4	14.4	-1.7	14.7	309.2	324.2	5.2	86.0	8.8	5.
17.5	46.0	3704.7	625.0	-2.4	-3.9	177.4	14.4	-0.5	14.4	309.8	321.3	4.6	86.5	9.9	3.
18.7	48.0	4118.2	600.0	-3.7	-5.5	176.0	16.1	-0.3	16.3	311.8	324.0	4.1	84.7	11.0	2.
20.1	48.9	4644.4	575.0	-4.3	-10.7	172.5	15.7	-2.0	15.6	314.3	327.4	3.0	83.7	12.6	2.
21.9	52.8	5000.1	550.0	-6.8	-11.8	174.4	14.9	-1.4	14.5	316.0	324.7	2.8	87.8	13.9	1.
23.6	55.0	5264.7	525.0	-9.3	-17.6	174.0	14.1	-1.9	14.0	317.2	323.1	1.8	50.6	15.6	0.
24.2	63.1	5700.8	500.0	-11.3	-19.2	172.0	14.5	-2.6	14.3	319.3	324.7	1.7	51.6	17.3	0.
27.0	62.4	6173.7	475.0	-13.9	-24.5	173.7	16.2	-1.8	16.1	320.8	324.5	1.1	56.8	19.2	35.
28.7	65.0	6581.7	450.0	-15.9	-31.4	179.0	14.3	-0.1	14.3	323.3	325.4	0.6	24.1	20.7	35.
30.4	67.6	6971.6	425.0	-18.1	-37.7	185.1	15.7	1.4	15.6	325.8	327.7	0.5	25.1	22.2	25.
32.4	73.0	7470.1	400.0	-22.2	-40.7	182.0	14.6	0.7	14.5	326.2	328.9	0.4	47.3	24.1	25.
34.2	74.9	7891.4	375.0	-25.8	-33.1	183.0	20.0	1.4	20.9	327.4	329.6	0.6	50.0	26.8	36.
37.2	75.9	8488.1	350.0	-29.4	-36.4	180.6	19.9	0.2	19.9	329.1	330.8	0.5	50.7	28.8	36.
39.4	85.0	8912.7	325.0	-33.4	-42.7	179.5	14.5	-0.5	14.5	330.1	331.1	0.3	39.9	31.2	30.
40.9	92.2	9456.6	300.0	-37.4	-47.5	175.9	14.7	-1.4	14.7	331.4	332.0	0.2	27.0	33.5	26.
43.2	91.8	10057.1	275.0	-43.2	60.0	161.7	14.5	-5.8	17.5	332.6	332.6	0.0	99.9	36.7	35.
45.7	98.4	10494.1	250.0	-48.7	99.9	161.1	21.1	-6.8	20.0	333.7	333.7	55.9	955.9	39.3	35.
48.4	104.8	11391.1	225.0	-52.7	99.9	161.9	20.9	-7.3	19.4	335.1	335.1	99.9	955.9	42.5	35.
49.9	108.4	12170.4	200.0	-59.0	99.9	180.8	22.2	0.2	22.2	336.1	336.1	99.9	955.9	45.9	35.
51.6	115.2	12957.4	175.0	-64.1	99.9	181.9	14.0	0.5	13.0	337.9	337.9	99.9	955.9	48.8	25.
52.2	121.7	13915.7	150.0	-59.3	99.9	211.4	10.4	5.5	9.3	337.9	337.9	99.9	955.9	51.2	35.
61.3	128.7	15091.3	125.0	-61.9	99.9	255.4	3.1	5.0	1.3	338.2	338.2	55.9	955.9	52.3	35.
55.0	135.0	16440.0	100.0	-59.7	99.9	190.5	5.4	1.0	5.7	417.2	417.2	99.9	955.9	53.2	25.
75.1	147.4	19224.7	75.0	-61.7	99.9	245.4	6.3	6.7	7.0	435.5	435.5	99.9	955.9	55.4	35.
80.4	151.0	20744.1	50.0	-57.6	99.9	105.5	7.2	-7.0	1.9	507.8	507.8	99.9	955.9	58.8	35.
90.4	160.0	25189.1	25.0	-51.2	99.9	99.0	99.0	99.0	99.0	637.6	637.6	99.9	999.9	56.7	35.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN A AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 4 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 532
PENNSA, ILLINOIS27 MAY 1977
1700 GMT

TIME MIN	TYPE	WGT G	DRCS %	TEMP C	REF C	DIR C	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT K	E POT K	PR RTG G/SEC	RM FCT	RANGE M	AZ C
0.0	0.0	200.0	68.5	28.2	11.7	120.0	6.1	-1.7	2.0	302.4	326.5	8.4	26.0	0.0	6.0
00.0	00.0	99.0	100.0	90.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
0.1	7.5	231.7	77.0	24.2	10.6	090.0	99.0	59.2	59.2	301.5	324.2	8.2	27.4	559.5	559.5
1.0	9.6	543.7	95.3	24.1	9.6	090.0	99.0	00.3	00.0	301.7	323.5	8.0	36.9	999.9	999.9
1.4	11.0	742.0	95.0	21.5	7.9	090.0	99.0	00.9	00.9	301.5	323.1	7.9	44.7	999.5	999.5
2.0	13.0	1015.5	90.0	16.1	7.9	141.0	7.7	-2.3	2.8	301.2	321.0	7.5	42.4	0.5	22.1
3.2	14.9	1250.8	87.0	16.9	7.5	124.6	4.2	-3.4	2.4	301.4	321.9	7.5	53.0	0.7	31.8
4.1	16.7	1404.1	80.0	14.4	6.0	121.7	5.3	-4.5	2.6	301.2	320.3	6.9	57.0	1.0	31.4
4.9	19.7	1757.7	82.0	12.7	-11.3	122.3	7.1	-4.0	3.8	303.1	300.8	2.3	19.7	1.2	31.1
5.6	20.6	2016.7	90.0	12.4	-7.3	119.2	9.4	-8.2	4.6	305.5	317.6	2.8	23.1	1.6	30.9
6.5	22.7	2247.1	77.0	12.1	-4.7	118.4	10.9	-9.4	5.2	305.8	317.1	2.5	20.5	2.2	30.6
7.4	24.8	2494.6	75.0	10.0	-5.7	117.2	10.5	-9.4	4.8	307.4	317.3	3.3	32.6	2.8	30.4
8.7	26.9	2827.6	72.0	8.1	-7.2	122.6	10.4	-8.9	5.7	307.4	317.3	2.1	22.9	2.3	30.3
9.9	29.0	3124.0	70.0	5.9	-9.1	131.0	9.1	-8.9	6.0	305.0	317.3	2.9	33.1	4.2	30.6
10.0	31.3	3423.4	67.0	4.1	-12.2	133.4	7.0	-5.1	4.8	310.1	317.1	2.2	25.4	4.0	30.5
12.1	33.6	3728.9	65.0	2.7	-16.1	141.7	4.6	-2.9	3.4	312.0	317.2	1.7	23.5	5.1	30.5
13.1	35.9	4033.3	62.0	1.3	-20.3	148.7	5.8	-2.1	5.4	315.1	317.5	0.7	11.8	5.8	31.1
14.4	38.3	4372.2	60.0	-0.9	-26.8	154.4	8.0	0.6	7.9	315.1	317.5	0.7	11.8	5.8	31.1
15.4	40.7	4710.7	57.0	-3.2	-38.4	159.0	6.0	-2.8	5.3	316.3	316.4	0.6	12.0	6.1	31.6
17.0	43.2	5040.9	55.0	-5.2	-51.4	159.5	8.1	-2.8	7.6	317.5	319.6	0.5	10.6	6.6	31.5
18.5	45.0	5424.3	52.0	-8.1	-71.9	163.2	8.8	-2.6	8.4	318.7	320.4	0.5	12.6	7.3	31.8
19.9	46.4	5811.8	50.0	-10.4	-93.6	171.8	9.3	-1.3	9.2	320.3	321.0	0.4	12.8	8.0	32.1
21.0	51.4	6194.5	48.0	-12.0	-114.7	176.0	9.8	-0.7	9.8	321.9	321.9	0.3	5.4	8.7	32.4
23.9	54.7	6604.7	45.0	-15.9	-139.3	174.7	10.4	-1.0	10.4	323.4	324.4	0.3	11.1	9.5	32.7
24.4	57.1	7022.1	42.0	-19.6	-171.1	174.8	10.2	-0.7	10.1	323.6	325.6	0.3	25.0	10.4	32.0
24.2	60.3	7472.2	40.0	-23.3	-212.2	191.1	10.9	2.5	10.6	324.7	328.2	1.0	70.4	11.3	33.2
29.9	67.9	7947.6	37.0	-27.1	-255.8	192.0	8.8	1.4	8.6	325.8	327.5	0.5	43.2	12.0	33.6
31.9	70.4	8441.6	35.0	-30.7	-309.9	174.4	9.5	-0.9	9.4	327.4	328.6	0.2	36.7	12.9	33.7
33.7	74.3	8947.7	33.0	-34.7	-364.1	149.4	8.4	-1.6	8.1	328.8	329.7	0.2	27.7	14.0	33.8
35.3	78.2	9414.7	30.0	-39.5	-409.9	174.4	7.4	-0.4	7.2	329.6	330.9	0.2	95.9	14.9	33.9
38.2	82.3	10174.1	27.0	-44.0	-460.0	174.4	4.9	0.8	6.9	331.5	331.5	0.9	95.9	15.7	34.1
40.4	85.9	10740.2	25.0	-48.7	-499.9	190.4	4.5	0.8	4.5	333.6	333.6	0.9	99.9	16.5	34.2
43.5	91.4	11470.7	20.0	-53.4	-559.9	94.3	2.2	-2.2	0.2	335.9	335.9	0.9	95.9	16.7	34.2
45.7	97.0	12005.1	17.0	-58.0	-599.9	92.4	1.7	-3.7	-3.1	336.7	336.7	0.9	95.9	16.4	34.0
48.9	102.4	12644.0	15.0	-61.0	-640.0	99.9	2.1	-0.2	2.0	345.1	345.1	0.9	95.9	16.3	33.7
52.2	109.4	13091.1	12.0	-59.3	-699.9	284.4	1.5	1.6	-0.5	347.7	347.7	0.9	99.9	17.0	33.7
54.1	117.3	13474.9	10.0	-61.2	-749.9	191.0	2.2	0.4	2.2	409.5	350.9	0.9	95.9	17.2	32.6
55.5	127.5	14257.1	7.0	-63.6	-809.9	99.9	0.9	0.9	0.9	441.0	350.9	0.9	95.9	15.9	35.9
58.0	99.9	99.0	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	95.9	95.9	99.9
99.0	99.0	99.0	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	95.9	95.9	99.9

BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

27 MAY 1977
1800 GMT

BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
BY SLOPE MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 11031
MARSHALL SFC. AT INAMA27 MAY 1477
1745 GMT

131 35. 0

TIME MIN	CNCTY	WIGHTY GPM	DR'S MM	TEMP CG C	DW PT CG C	DIR CG	WIND M/SEC	U COMP V/SEC	V COMP W/SEC	POY T DG K	F PCT Y CG K	MX RTO GP/KG	RM PCT	RANGE KM	AZ DG
0.0	9.0	140.0	900.6	25.0	18.9	100.0	3.1	-3.1	0.5	292.0	316.1	14.1	45.0	0.0	0.
0.9	99.9	92.9	1000.0	59.9	99.5	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.4	7.3	314.5	973.0	22.1	13.9	992.2	99.9	99.9	99.9	297.5	324.3	10.3	55.6	99.9	99.9
1.4	9.3	537.8	950.0	20.4	13.3	990.9	99.9	99.9	99.9	294.1	325.2	10.2	62.9	99.9	99.9
2.3	11.0	777.4	925.0	17.4	11.4	174.6	3.1	-3.1	2.7	297.2	321.9	9.2	67.8	0.5	306.
3.3	12.9	1007.2	903.0	15.6	9.4	171.4	2.4	-1.9	1.7	297.6	320.5	9.5	66.0	0.7	307.
4.7	15.0	1244.1	875.0	14.1	6.8	124.4	2.0	-1.9	1.4	298.4	322.0	8.7	75.0	0.9	308.
5.4	16.8	1490.7	850.0	11.9	6.4	102.0	1.9	-1.8	0.4	298.7	318.7	7.4	71.0	1.0	307.
4.5	18.9	1741.0	823.0	12.4	4.7	97.7	1.4	-1.4	0.2	301.7	319.8	6.5	55.4	1.1	302.
7.4	20.9	1984.3	793.0	10.2	3.0	151.4	1.4	-0.7	1.2	302.0	318.5	5.4	40.4	1.1	305.
9.4	23.0	2241.2	775.0	4.7	1.5	110.4	1.1	-1.1	0.4	303.2	318.9	5.5	60.3	1.2	304.
10.7	25.1	2573.4	750.0	5.4	0.7	110.4	0.4	0.3	-0.2	303.6	318.4	4.2	65.0	1.2	304.
10.9	27.2	2810.2	725.0	5.5	-1.2	72.1	1.4	-1.4	-0.5	305.4	319.4	4.9	62.3	1.3	301.
12.1	29.5	3024.8	700.0	4.0	-3.0	64.4	3.4	-3.4	-0.2	306.9	319.7	4.4	65.4	1.4	257.
13.3	31.5	3322.0	675.0	2.4	-5.2	47.6	4.0	-4.0	-0.1	309.4	319.8	3.4	56.7	1.7	252.
13.5	34.1	3676.0	650.0	0.5	-7.2	44.2	4.4	-4.4	-0.1	309.5	316.7	3.4	56.1	1.9	248.
15.3	36.4	4003.0	625.0	-1.4	-9.7	47.0	6.4	-6.4	-0.4	310.4	316.9	3.2	55.0	2.3	228.
17.0	38.9	4374.1	600.0	-2.7	-10.3	40.7	10.1	-10.0	-1.6	313.0	321.4	2.4	56.0	2.3	200.
18.6	41.2	4471.4	575.0	-3.0	-13.0	74.4	10.4	-10.5	-2.4	315.5	321.4	2.5	46.1	3.4	274.
20.7	43.7	5022.4	550.0	-4.4	-25.8	49.9	10.4	-10.4	-0.0	318.0	321.6	0.9	18.1	4.9	272.
21.7	45.4	5387.1	525.0	-7.0	-29.0	44.7	11.0	-10.9	1.3	320.0	322.3	0.7	15.3	5.4	272.
23.4	49.1	5744.7	500.0	-6.4	-27.0	47.0	4.2	-4.2	-0.3	321.5	325.5	1.2	22.6	6.8	273.
25.0	51.9	6100.1	475.0	-11.5	-32.7	59.0	4.9	-5.9	-3.6	321.4	325.6	0.9	15.9	7.9	271.
26.8	55.0	6472.5	450.0	-14.4	-36.0	39.2	5.4	-3.4	-4.4	325.1	326.5	0.4	14.0	7.9	248.
28.4	57.0	7007.8	425.0	-17.2	-37.7	47.4	5.6	-4.1	-7.4	326.9	326.2	0.3	14.7	8.4	265.
30.5	60.0	7454.4	400.0	-21.1	-37.3	14.5	2.4	-0.4	-2.6	327.4	328.9	0.4	21.6	8.6	263.
32.6	64.3	7827.4	375.0	-27.9	-39.0	319.4	2.9	1.9	-2.2	324.7	326.8	0.3	22.6	8.7	261.
34.7	67.4	8424.5	350.0	-26.1	-42.6	343.7	2.4	0.3	-2.4	329.4	330.4	0.2	22.9	8.5	259.
37.1	71.1	9030.3	325.0	-23.5	-47.9	72.7	1.7	-0.9	-1.5	330.5	331.1	0.1	21.6	8.7	257.
39.3	74.9	9504.8	300.0	-24.2	-42.4	124.4	1.4	-1.3	1.0	331.5	331.9	0.1	20.7	8.8	257.
41.5	78.4	10000.0	275.0	-42.5	40.9	155.0	1.2	-1.3	2.9	332.3	330.9	0.3	20.9	8.9	259.
43.7	83.0	10775.0	250.0	-45.3	99.5	149.4	1.4	-0.5	1.5	332.3	330.9	0.9	55.5	9.0	263.
47.0	87.4	11414.1	225.0	-54.7	65.0	159.9	2.5	-0.9	2.4	334.7	330.9	0.9	99.9	9.0	266.
49.4	92.0	12177.5	200.0	-59.7	99.9	233.1	4.9	3.9	2.9	338.2	330.9	0.9	95.5	9.0	268.
52.5	97.2	12979.8	175.0	-65.8	58.5	202.7	5.1	4.9	-2.1	341.4	330.9	0.9	95.5	7.7	265.
56.0	102.9	13924.4	150.0	-62.0	99.9	320.2	4.5	2.9	-3.5	363.3	330.9	0.9	99.9	7.2	263.
60.3	109.0	15045.1	125.0	-61.1	99.9	344.2	3.1	0.8	-3.0	364.4	330.9	0.9	95.5	6.7	257.
65.3	115.5	16473.4	100.0	-62.2	99.9	272.6	2.8	2.8	-0.4	407.6	330.9	0.9	99.9	6.8	253.
75.7	122.5	18218.1	75.0	-61.8	99.9	352.0	3.6	0.5	-3.5	443.4	330.9	0.9	95.5	6.3	241.
81.0	130.3	20734.6	50.0	-57.2	99.9	149.4	4.4	-2.5	4.2	508.8	330.9	0.9	99.9	7.2	239.
90.9	140.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 1 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

Sounding Data

27 May 1977

2000 GMT

STATION NO. 229
CENTERVILLE, ALABAMA27 MAY 1977
2103 GMT

TIME MIN.	CNTCT	WEIGHT GPM	PPES WS	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SFC	U COMP V/SFC	V COMP M/SEC	PWT DG K	F PWT DG K	MX RTO GM/KG	RH FCT	RANGE KM	AZ DG
3.0	6.8	160.0	992.2	27.0	18.0	60.0	5.7	4.9	9.2.8	300.8	336.2	13.2	58.0	0.0	0.
39.0	90.0	99.0	1000.0	99.0	99.0	99.0	99.0	50.9	92.9	99.0	994.9	99.9	999.9	999.9	999.9
0.7	9.4	204.2	975.0	25.5	18.1	17.4	5.0	3.0	4.0	100.5	337.1	13.6	63.8	0.2	222.
1.6	10.5	432.3	950.0	22.8	17.2	35.5	4.1	3.4	3.4	100.5	335.7	13.1	76.7	0.4	215.
2.7	12.8	755.2	925.0	20.2	16.7	23.5	3.3	1.3	3.0	100.0	334.8	13.1	80.5	0.7	216.
3.7	15.1	900.8	900.0	18.1	15.0	11.2	3.0	0.7	3.0	300.4	334.7	12.9	86.7	0.9	213.
4.5	17.3	1232.5	873.0	15.8	13.5	24.7	2.0	0.9	2.8	101.3	331.6	11.3	86.9	1.0	208.
5.8	19.8	1479.6	850.0	13.1	12.0	31.6	1.4	2.5	2.3	102.2	330.5	10.4	80.5	1.1	199.
7.4	22.0	1732.8	825.0	11.7	10.7	30.2	4.0	3.4	2.1	103.1	330.0	9.9	82.1	1.1	190.
7.5	24.5	1922.1	800.0	11.4	9.5	281.6	3.7	3.7	0.8	103.7	329.5	9.4	85.6	1.2	177.
9.5	26.9	2257.9	775.0	10.1	7.7	24.0	4.0	4.0	0.5	104.7	329.4	8.6	88.8	1.3	167.
7.5	29.4	2530.5	750.0	6.2	6.7	27.9	4.5	4.5	0.2	105.5	328.4	8.2	90.6	1.3	157.
10.5	32.1	2810.1	725.0	6.7	2.6	27.9	4.6	4.6	3.5	105.9	325.0	6.4	78.8	1.5	166.
11.7	34.5	3009.2	700.0	5.1	1.4	288.9	4.4	4.1	1.4	108.1	325.5	6.1	77.2	1.7	136.
12.8	37.3	3305.1	675.0	3.8	-0.3	288.7	5.3	4.7	2.5	109.9	326.1	5.6	74.8	2.0	135.
13.9	40.1	3701.1	650.0	2.0	-0.6	286.6	5.7	5.1	2.6	111.2	327.7	5.6	72.7	2.3	133.
14.9	42.8	4014.5	625.0	-0.7	-2.1	289.1	6.0	5.7	1.9	112.2	327.6	5.3	67.3	2.7	126.
15.2	45.8	4342.0	600.0	-2.0	-3.8	290.4	6.3	6.2	1.1	113.9	328.2	4.8	67.8	3.1	126.
17.4	48.9	4690.9	575.0	-3.9	-4.4	277.7	7.1	7.0	0.0	115.5	329.9	4.8	55.8	3.6	122.
18.8	51.4	5071.0	550.0	-6.7	-9.2	288.9	7.3	6.9	2.4	116.7	327.3	3.5	75.6	4.1	119.
20.2	54.8	5363.4	525.0	-7.9	-14.9	280.3	9.3	8.1	4.5	119.0	326.2	2.3	59.7	4.9	119.
21.7	57.0	5772.5	500.0	-6.7	-19.3	297.7	8.7	7.7	4.1	121.9	327.2	1.7	43.7	5.6	116.
23.1	61.1	6149.0	475.0	-11.0	-35.0	294.1	5.6	5.0	2.7	124.4	325.5	0.4	11.7	6.2	119.
23.5	64.4	6591.2	450.0	-14.1	-28.1	314.7	4.3	3.0	3.0	125.5	328.4	0.8	25.2	6.6	115.
25.1	67.9	7012.5	425.0	-17.4	-20.4	326.0	4.3	2.3	3.6	126.6	329.1	0.7	21.1	7.0	121.
27.0	71.4	7457.8	400.0	-21.1	-10.8	333.7	3.6	1.6	3.2	127.6	330.2	0.7	46.9	7.4	122.
29.7	75.1	7924.7	375.0	-24.8	-16.1	335.0	2.7	1.1	2.4	128.9	330.4	0.5	34.0	7.6	123.
31.4	79.0	8431.7	350.0	-28.4	-39.9	301.7	3.4	2.4	1.8	129.1	330.3	0.3	35.0	8.0	124.
33.4	83.0	8958.9	325.0	-37.4	-44.8	259.5	2.4	2.4	0.4	130.4	331.2	0.2	26.6	8.2	123.
35.4	87.0	9415.0	300.0	-37.0	-49.9	184.7	3.0	0.5	3.0	131.0	332.4	0.1	26.9	8.3	122.
37.4	91.6	10103.1	275.0	-43.7	99.9	197.8	5.3	1.2	5.7	132.5	599.9	55.9	955.9	8.1	118.
40.1	95.2	10742.6	250.0	-40.1	99.9	259.4	4.2	6.2	5.3	134.6	999.9	99.9	955.9	8.1	112.
42.4	101.0	11490.2	225.0	-53.7	99.9	252.8	6.6	9.2	2.8	136.0	999.9	99.9	955.9	9.3	106.
45.4	104.3	12177.7	200.0	-59.4	99.9	255.4	11.6	11.3	2.9	138.2	999.9	99.9	955.9	16.7	101.
48.7	111.4	13000.1	175.0	-64.7	99.9	277.1	11.2	11.2	3.6	141.2	999.9	99.9	955.9	13.0	96.
52.2	117.4	13968.1	150.0	-63.6	99.9	231.0	6.7	6.3	2.4	140.5	999.9	55.9	955.9	14.9	98.
55.3	124.5	15040.0	125.0	-63.5	99.9	261.2	7.0	6.5	2.5	141.8	999.9	55.9	955.9	16.1	100.
57.4	131.7	16442.7	100.0	-63.3	99.9	297.0	7.5	6.7	3.4	145.4	999.9	55.9	955.9	18.4	101.
61.4	138.5	18205.0	75.0	-65.6	99.9	2.4	1.5	-0.1	3.5	145.4	999.9	55.9	955.9	20.0	103.
75.3	145.5	20713.7	50.0	-66.0	99.9	65.2	3.9	-3.9	0.3	154.7	999.9	55.9	955.9	19.2	108.
90.4	159.7	24205.4	25.0	-67.4	99.9	99.0	999.9	99.9	99.0	168.3	590.7	55.9	955.9	17.2	110.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 235
JACKSON, MISSISSIPPI27 MAY 1977
2000 GMT

TIME MIN	CNCT	HEIGHT GCM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	MX RTO CM/KG	RM PCT	RANGE NM	AZ DEG
0.3	6.2	103.0	666.7	70.3	14.4	100.0	2.4	2.3	-1.3	303.7	340.2	13.5	45.0	0.0	0.0
0.3	90.9	1000.0	1000.0	93.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	9.0	254.3	575.3	27.4	14.1	323.4	2.3	1.4	-1.0	302.7	335.1	13.5	57.0	0.1	456.0
1.4	10.1	531.0	600.0	25.0	14.5	113.0	2.8	2.0	-1.9	302.6	316.4	12.6	59.2	0.3	180.0
2.7	15.3	745.6	625.0	22.7	15.1	291.5	3.4	3.1	-1.2	302.6	336.4	11.8	61.9	0.5	138.0
3.6	16.5	907.6	603.0	20.5	14.1	245.7	3.3	3.7	-1.1	302.7	333.4	11.4	66.7	0.7	122.0
4.4	16.5	1241.0	875.0	18.4	17.2	291.0	4.0	3.7	-1.4	303.1	333.1	11.0	70.5	0.8	123.0
4.7	14.8	1457.4	850.0	14.4	11.5	244.1	3.9	3.7	-1.2	303.4	331.7	10.1	72.4	1.0	121.0
5.0	21.0	1717.2	824.0	14.5	11.5	244.1	3.0	3.7	-1.3	303.5	331.7	10.1	75.0	1.2	116.0
7.2	27.8	2031.2	803.0	12.5	9.2	232.7	3.3	3.5	-1.5	304.5	329.8	9.2	80.3	1.5	117.0
9.6	37.9	2259.4	775.0	10.5	7.0	325.2	4.0	3.3	-2.3	305.1	328.9	8.6	82.2	1.8	117.0
9.4	24.2	2441.0	750.0	9.2	4.5	107.9	4.6	3.7	-2.9	305.5	328.9	8.4	91.4	2.0	110.0
10.7	73.4	2472.0	725.0	6.4	4.5	309.4	5.5	5.1	-4.1	304.7	327.4	7.3	86.5	2.4	120.0
11.0	17.4	2107.7	700.0	5.0	1.1	317.5	5.4	5.9	-3.5	309.1	325.1	5.9	75.5	3.0	123.0
12.0	35.0	2405.4	675.0	7.3	-1.1	319.1	10.0	6.5	-7.6	309.4	324.6	5.2	72.4	3.6	126.0
13.4	34.4	2411.9	650.0	7.4	-4.3	320.1	11.4	7.5	-8.1	311.3	324.5	4.2	60.2	4.4	128.0
13.4	61.4	4379.0	625.0	1.3	-4.5	123.4	13.1	7.9	-10.8	313.9	323.7	3.2	48.1	5.5	131.0
14.7	44.4	4444.2	600.0	-1.4	-9.2	330.0	13.4	6.7	-11.6	314.5	323.1	3.2	55.7	6.4	133.0
14.7	44.4	4444.2	575.0	-3.0	-19.6	334.5	12.4	4.6	-11.5	314.5	323.1	1.4	26.3	7.2	134.0
15.3	50.4	4305.1	550.0	-3.0	-22.1	315.0	11.4	5.5	-9.9	314.2	322.0	1.2	24.1	8.0	134.0
20.4	57.4	5309.4	395.0	-1.7	-24.1	315.0	11.4	9.0	-7.2	323.4	322.6	0.7	16.2	8.5	135.0
22.0	54.4	5744.0	503.0	-6.4	-34.0	107.5	12.2	9.7	-7.4	321.1	322.5	0.4	11.1	9.3	139.0
27.5	49.9	4181.4	475.0	-12.4	-30.2	101.4	9.3	4.5	-3.2	324.3	324.6	0.7	21.5	10.9	137.0
28.0	43.9	4632.6	450.0	-15.3	-25.2	304.0	7.1	5.3	-4.5	324.0	324.7	1.1	42.2	11.7	126.0
28.2	65.7	7331.7	425.0	-19.7	-26.0	303.4	5.9	4.5	-3.7	325.0	324.6	1.1	52.7	12.4	135.0
28.6	70.4	7479.5	400.0	-22.4	-26.5	293.4	5.4	5.0	-1.2	325.0	324.7	0.8	51.6	12.6	125.0
30.2	74.3	7331.0	375.0	-20.1	-23.5	244.1	5.4	6.7	1.4	327.1	329.2	0.6	49.4	13.4	133.0
32.1	74.3	8437.3	350.0	-27.7	-40.5	245.4	5.9	5.5	2.1	328.7	325.4	0.3	22.5	13.7	130.0
34.1	82.3	8231.7	325.0	-27.7	-44.0	244.4	5.4	4.9	3.1	320.2	321.1	0.2	24.2	14.0	122.0
34.2	65.5	7418.0	300.0	-32.1	-44.7	220.2	5.1	3.3	3.2	331.7	332.2	0.1	31.4	14.2	125.0
34.3	91.3	13110.6	275.0	-43.0	-42.3	123.1	4.7	2.9	3.6	333.0	333.0	0.1	55.6	14.3	123.0
40.4	94.7	10744.4	250.0	-43.0	-43.9	223.5	4.7	3.9	4.1	335.1	335.1	0.1	95.9	14.4	120.0
43.1	131.2	11477.2	225.0	-47.7	-49.0	253.0	7.3	6.2	3.7	336.2	336.2	0.1	55.6	14.9	117.0
45.4	104.4	12157.5	200.0	-54.4	-49.5	253.4	9.3	4.9	2.7	340.3	340.3	0.1	95.9	15.7	113.0
48.4	112.5	13013.4	175.0	-62.4	-49.5	253.5	11.3	10.7	-2.6	345.1	345.1	0.1	95.9	17.3	110.0
49.0	114.5	13057.6	150.0	-60.5	-49.5	253.7	4.7	6.5	-1.0	365.9	365.9	0.1	95.9	16.1	116.0
49.7	124.0	15045.3	125.0	-63.2	-49.5	256.0	10.0	9.6	-2.0	340.6	340.6	0.1	95.9	20.6	105.0
49.7	131.5	14457.7	100.0	-63.7	-49.9	254.5	4.1	3.0	2.4	404.7	404.7	0.1	95.9	22.4	110.0
49.7	138.0	14210.4	75.0	-64.4	-49.5	114.1	3.4	2.3	-2.6	474.0	474.0	0.1	95.9	23.2	109.0
71.4	144.3	20745.0	50.0	-58.0	-46.9	50.0	3.4	-3.8	0.6	504.9	504.9	0.1	95.9	22.9	111.0
85.3	153.5	24174.2	25.0	-60.4	-53.5	653.0	490.0	93.9	90.9	640.5	640.5	0.1	95.9	20.6	112.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY WIND MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 4 DEG

STATION NO. 240
LAKE CHARLES, LOUISIANA
27 MAY 1977 2003 GMT

TIME MIN.	CNTCT	WEIGHT GON	PRFS MN	TEMP DG C	DEW PT DG C	CLD DG	SPEED M/SEC	U (COMP) M/SEC	V (COMP) M/SEC	P/T T DG K	F POT V DG K	PK FTO GN/NG	RM PCT	RANGE KM	AZ DG
0.0	5.7	5.0	1004.5	31.1	21.0	200.0	4.1	3.9	-1.4	303.5	345.7	15.7	55.0	0.0	0°
0.3	5.8	5.0	1000.0	26.4	20.4	225.0	4.1	2.9	2.4	302.9	343.9	15.3	57.1	0.1	19°
1.0	5.0	30.5	995.0	27.2	15.6	215.1	2.9	1.7	2.2	303.1	343.1	14.9	61.0	0.3	25°
2.1	10.2	434.9	990.0	25.4	18.6	250.4	3.6	3.4	1.2	302.3	341.5	14.4	66.1	0.4	38°
3.7	12.4	770.2	995.0	22.4	17.4	244.4	3.6	3.6	0.2	302.6	339.4	12.7	71.6	0.6	52°
4.7	14.7	1005.2	900.2	20.5	14.4	305.7	3.5	2.9	-1.9	302.4	338.2	13.1	74.5	0.9	65°
5.4	16.9	1242.7	875.0	18.7	14.3	314.7	3.4	2.5	-2.6	303.4	335.6	11.9	75.0	0.9	70°
6.4	18.4	1501.4	850.0	16.8	12.5	323.9	4.6	2.7	-3.4	301.7	333.3	10.3	76.2	1.1	75°
7.4	21.4	1754.0	825.0	15.5	9.0	322.0	5.9	2.7	-4.6	305.0	329.5	9.4	65.2	1.3	104°
8.4	24.1	2015.7	800.0	14.6	4.6	316.0	7.0	2.5	-5.7	306.7	325.7	6.7	51.0	1.6	112°
9.4	26.4	2284.4	775.0	13.1	1.5	321.0	4.2	2.2	-5.4	307.9	323.8	5.5	45.4	2.1	117°
10.4	29.0	2555.7	750.0	11.7	-1.5	320.2	8.4	4.1	-7.2	309.3	320.9	3.9	34.2	2.5	123°
11.4	31.7	2844.0	725.0	11.0	-9.0	327.0	10.4	5.7	-8.7	311.4	319.2	2.5	22.1	3.1	126°
12.6	34.3	3134.5	700.0	8.7	-5.7	326.4	11.2	6.2	-9.4	312.1	322.1	3.3	22.0	3.7	131°
13.7	36.7	3424.2	675.0	6.4	-4.1	311.2	11.5	5.5	-10.1	313.0	325.3	4.1	45.0	4.5	134°
14.9	39.2	3713.5	650.0	3.7	-4.5	317.4	10.5	4.1	-9.7	313.1	325.7	4.2	54.9	5.2	137°
15.2	42.1	4002.1	625.0	1.4	-4.7	334.2	9.4	3.1	-7.8	314.1	327.1	4.3	63.7	5.8	140°
17.5	45.2	4291.6	600.0	-1.1	-7.7	326.5	7.7	4.2	-6.4	314.8	325.7	3.6	60.9	6.5	141°
19.0	48.4	4580.4	575.0	-1.0	-7.4	298.4	9.3	7.1	-4.0	316.5	326.6	3.3	61.2	7.1	150°
20.5	51.1	5075.4	550.0	-4.4	-12.4	287.7	12.5	11.9	-3.3	318.4	326.6	2.7	55.0	7.5	137°
21.9	54.7	5461.9	525.0	-7.4	-11.6	250.7	15.2	14.2	-5.4	310.4	328.6	2.9	71.2	9.0	132°
23.7	57.3	5850.3	500.0	-10.2	-14.1	293.2	15.1	13.9	-5.9	320.6	328.7	2.6	72.9	10.1	131°
24.7	59.7	6238.3	475.0	-12.2	-20.6	290.4	15.3	14.3	-5.4	322.9	328.1	1.6	45.6	11.4	155°
26.0	63.1	6625.1	450.0	-14.1	-23.6	292.0	16.4	15.3	-5.2	323.0	327.1	1.2	51.2	12.6	127°
27.4	67.5	7012.4	425.0	-10.4	-20.2	295.9	16.2	14.6	-7.1	323.5	326.1	0.7	35.7	14.1	125°
29.2	71.0	7400.1	400.0	-22.7	-24.2	300.0	17.4	15.1	-9.7	325.5	325.8	0.1	3.7	15.7	125°
30.9	74.9	7790.1	375.0	-26.5	-25.2	300.7	15.4	14.4	-8.5	326.6	325.8	0.1	4.7	17.6	124°
32.4	78.4	8181.1	350.0	-20.9	-25.9	290.5	15.7	13.1	-7.5	327.1	327.3	0.1	6.5	19.4	124°
34.4	82.8	8574.1	325.0	-15.4	-23.5	290.1	13.1	12.3	-4.5	327.5	328.5	0.2	44.2	21.0	123°
36.0	87.0	8967.5	300.0	-13.6	-20.2	277.1	10.3	10.7	-1.2	329.5	330.0	3.1	71.1	22.4	122°
38.6	91.4	10134.7	275.0	-44.7	-20.9	267.1	9.7	9.7	1.1	331.0	330.9	9.9	95.9	23.4	120°
41.7	94.4	10759.0	250.0	-44.7	-20.9	267.0	15.1	15.9	-2.5	334.1	330.9	9.9	95.9	24.7	119°
43.4	101.7	11442.4	225.0	-50.1	-20.6	294.0	23.2	20.9	-10.2	341.8	335.9	9.9	95.9	27.2	116°
45.1	107.0	12217.2	200.0	-55.2	-20.9	301.4	23.2	19.8	-12.1	345.4	335.9	9.9	95.9	31.2	118°
46.4	112.4	13046.1	175.0	-59.1	-20.9	301.7	22.3	18.9	-11.7	352.4	335.9	9.9	95.9	35.0	114°
48.1	117.3	14017.9	150.0	-61.9	-20.9	295.8	21.3	19.2	-9.3	364.2	335.9	9.9	95.9	39.1	118°
50.7	126.3	15146.0	125.0	-61.8	-20.9	297.7	15.2	13.6	-7.0	383.2	335.9	9.9	95.9	43.2	118°
52.2	134.7	16518.4	100.0	-64.9	-20.9	291.1	9.5	7.9	-3.0	403.7	335.9	9.9	95.9	46.5	118°
54.4	142.3	17964.8	75.0	-66.7	-20.9	343.4	4.0	1.2	-3.9	433.0	335.9	9.9	95.9	47.7	118°
56.1	151.0	20741.3	50.0	-57.8	-20.9	9.5	4.2	-0.6	-4.1	507.3	335.9	9.9	95.9	47.3	120°
58.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 247
LONGVIEW, TEXAS27 MAY 1977
2000 GMT

TIME MIN	CNTCT	WTSHT GPM	QGES W	TEMP CG C	DEW PT CG C	DIR DS	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	WX RTO GM/MS	SH FCT	RANGE KM	AZ DG
0.0	7.0	124.0	995.0	21.7	23.0	90.0	2.1	-2.1	-0.4	305.3	353.0	19.1	60.0	0.0	0
00.0	97.0	1000.0	1000.0	20.0	23.0	90.0	99.5	99.5	99.0	305.3	353.0	19.1	955.0	999.0	0
0.7	4.0	705.0	705.0	24.2	17.5	900.0	90.0	90.0	90.0	303.5	338.8	12.1	52.4	999.0	555
1.4	11.1	535.1	903.0	26.0	16.5	909.0	90.0	90.0	90.0	303.6	338.8	12.9	57.1	999.0	999.0
2.1	17.4	770.7	925.0	23.7	15.7	909.0	99.0	99.0	99.0	303.5	336.6	12.2	60.2	999.0	999.0
2.4	15.4	1009.0	903.0	21.2	14.5	47.5	1.2	-1.0	-0.9	303.5	335.9	12.0	67.0	0.2	265
3.7	14.4	125.4	973.0	19.5	14.2	90.1	1.1	-1.1	0.0	303.1	335.0	11.9	75.8	0.3	263
4.6	20.7	1409.1	953.0	16.4	14.5	175.4	1.7	-0.1	1.7	303.6	337.0	12.4	87.3	0.4	287
5.4	23.7	1744.4	825.0	14.5	12.3	255.2	3.0	2.2	2.1	304.0	344.0	11.0	66.5	0.3	290
6.4	25.7	2014.4	403.0	12.7	7.7	254.6	3.1	3.1	0.9	304.7	327.7	8.3	71.4	0.2	333
7.7	28.2	2282.6	775.0	10.9	1.8	281.4	3.3	3.3	-0.7	305.5	321.6	5.7	52.4	0.2	30
8.8	31.0	2556.1	700.0	10.0	-7.0	317.7	2.4	1.9	-2.1	304.4	317.4	3.0	27.7	0.2	72
9.8	33.4	2832.0	725.0	9.0	-13.8	284.0	4.5	7.9	-1.2	304.4	321.1	4.0	46.0	0.4	51
10.0	34.1	3130.4	703.0	8.7	-2.1	271.5	7.4	7.4	-3.2	312.1	326.0	4.7	46.6	0.4	91
12.0	40.1	3484.1	675.0	7.0	-4.6	274.4	7.7	7.7	-3.6	313.5	325.9	4.0	43.3	1.4	92
13.7	41.3	3744.0	500.0	4.0	-9.5	270.7	5.4	6.4	-1.1	313.5	322.0	2.9	25.2	1.0	52
14.4	43.0	4054.4	430.0	0.9	-11.8	267.5	4.5	8.4	-2.6	313.5	321.2	2.5	38.0	2.3	95
15.4	44.0	4300.0	430.0	-1.3	-14.7	267.5	11.6	10.9	-4.1	313.9	320.2	2.0	26.7	3.1	56
16.7	45.4	4717.4	475.0	-4.4	-15.3	262.5	13.6	12.7	-4.3	314.4	320.7	2.0	43.4	3.9	101
17.0	46.0	5056.2	500.0	-4.4	-14.4	267.7	14.3	13.5	-4.3	314.1	321.2	2.3	61.7	5.0	103
18.4	47.0	5455.2	525.0	-10.3	-13.5	262.1	15.3	14.5	-3.0	316.1	323.8	2.5	74.9	6.2	104
20.4	50.0	5700.0	470.0	-11.4	-26.4	263.4	17.2	15.6	-10.4	316.9	322.2	1.0	21.9	7.6	105
22.4	53.0	6151.4	475.0	-12.9	-37.0	310.4	14.7	12.3	-10.6	320.7	321.9	0.7	12.1	6.1	106
23.4	57.2	6470.0	450.0	-14.9	-39.5	321.7	17.4	10.4	-13.7	323.0	322.9	0.3	12.0	10.4	112
24.3	70.7	7054.5	425.0	-20.4	-42.1	322.4	14.4	11.1	-14.7	323.8	323.6	0.2	12.4	11.4	116
26.0	74.4	7470.0	400.0	-24.4	-44.9	314.7	20.7	13.6	-13.5	323.3	323.9	0.2	12.0	13.4	115
28.5	79.0	7937.0	475.0	-28.0	-46.5	312.0	23.4	14.3	-15.9	323.7	324.3	0.2	15.9	15.5	122
30.2	82.2	8437.4	450.0	-33.9	-43.4	312.0	27.4	16.7	-15.5	324.6	325.0	0.1	16.7	17.9	123
32.0	84.7	8744.4	475.0	-37.4	-52.2	314.6	19.1	12.6	-14.4	325.2	325.6	0.1	19.2	20.0	124
34.0	93.7	9431.4	403.0	-40.4	-51.7	317.5	22.0	14.5	-14.0	327.0	325.9	0.9	955.0	22.3	126
36.7	95.7	10003.6	275.0	-46.2	-54.9	312.2	21.0	16.0	-14.5	331.3	326.9	99.9	955.0	25.2	127
39.1	100.2	10714.0	250.0	-48.4	-59.0	305.0	19.4	15.5	-10.9	334.2	326.9	99.9	955.0	27.5	127
40.2	105.2	11405.4	225.0	-50.9	-59.0	305.4	16.4	13.4	-9.5	340.5	326.9	99.9	955.0	30.1	127
42.4	110.7	12144.7	200.0	-55.8	-60.5	311.6	16.0	12.6	-11.2	344.4	326.9	99.9	955.0	32.2	127
44.4	115.5	13000.0	175.0	-59.2	-62.0	303.6	15.0	13.3	-11.1	350.0	326.9	99.9	955.0	36.8	127
46.0	123.7	13720.7	163.0	-61.9	-64.9	302.9	20.5	17.2	-11.1	350.0	326.9	99.9	955.0	36.7	126
47.4	130.7	15037.2	125.0	-61.4	-64.0	302.7	15.0	13.4	-8.6	392.4	326.9	99.9	955.0	42.0	126
48.5	137.5	16457.8	103.0	-64.0	-64.0	302.7	7.5	5.5	-5.2	402.3	326.9	99.9	955.0	46.1	126
49.4	144.4	18314.0	75.0	-64.7	-64.7	302.7	4.4	2.1	-3.7	437.2	326.9	99.9	955.0	47.1	127
51.4	152.3	20730.7	50.0	-64.7	-64.7	302.7	5.3	5.1	-1.5	506.1	326.9	99.9	955.0	47.4	126
54.0	160.4	25704.0	24.0	-69.4	-69.4	303.0	99.0	99.0	99.0	543.3	326.9	99.9	955.0	43.6	126

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 1 AND 10 DEG
 * BY TEND MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 * BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 246
 STEPHENVILLE, TEXAS

 27 MAY 1977
 2100 GMT

TIME MIN	CHTCY	HEIGHT CON	PRES MS	TEMP DEG C	DEW PT DEG C	DIA CG	SPED M/SEC	U CORR. M/SEC	V CORR. M/SEC	POT T DEG K	E POT T DEG K	MR RTO SP/MS	RM PCT	RANGE KM	AZ DEG
00	0.0	799.0	922.5	20.6	10.7	100.0	5.1	0.0	5.1	306.1	344.9	10.3	52.0	0.0	0
00.9	00.0	800.0	1000.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.9	00.0	800.0	575.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
0.7	10.9	515.1	920.0	25.0	00.0	100.7	4.2	-1.4	4.0	305.7	342.1	12.5	00.0	0.2	30.0
1.3	12.1	515.0	525.0	25.5	17.2	104.4	5.7	-1.2	5.0	305.3	342.1	12.5	00.0	0.4	34.3
2.0	15.3	921.0	900.0	22.9	16.5	104.7	7.4	0.6	7.3	305.1	341.2	13.3	07.3	0.0	25.1
2.9	17.5	1237.0	875.0	20.5	15.5	105.6	7.6	2.0	7.5	305.2	340.1	12.0	78.7	1.5	39.9
4.0	19.0	1047.2	850.0	18.2	14.7	207.4	9.1	3.7	7.2	305.3	339.4	12.5	85.0	1.9	5.0
5.0	22.2	1742.0	875.0	16.1	13.1	210.6	8.6	4.4	7.4	305.6	337.4	11.6	82.3	2.4	10.0
4.0	20.7	2004.4	900.0	14.6	11.3	212.5	9.7	5.2	9.2	306.0	335.3	10.6	84.6	2.9	14.0
7.0	27.0	2272.7	775.0	10.4	3.3	217.7	8.0	4.9	7.3	309.0	328.1	0.4	48.9	3.5	17.0
9.0	29.4	2450.5	750.0	10.7	-1.0	219.0	9.1	5.2	6.2	312.5	326.6	4.7	32.5	4.0	20.0
10.0	32.1	2476.0	725.0	12.6	-1.6	224.3	7.6	6.2	6.4	313.2	327.2	4.7	32.0	4.5	22.0
11.2	34.7	3120.1	700.0	10.0	-2.1	223.0	9.1	7.2	3.7	313.5	327.4	4.7	42.7	4.9	26.0
12.4	37.2	3470.4	675.0	7.7	1.0	221.0	9.4	8.2	4.6	314.3	327.3	6.1	42.6	5.4	30.0
13.0	40.0	3740.4	650.0	9.6	-3.2	227.7	10.5	9.4	4.7	315.3	329.3	4.7	52.2	5.9	33.0
14.6	42.6	4050.7	625.0	2.0	-7.2	229.6	12.5	11.7	4.3	314.7	325.5	3.6	50.5	6.6	37.0
15.7	45.4	4727.8	600.0	-0.4	-9.0	227.0	13.6	13.5	1.8	315.2	324.6	3.0	50.4	7.2	41.0
16.9	48.4	4720.0	575.0	-3.9	-13.1	227.7	10.0	16.0	0.6	315.5	323.1	2.4	48.5	8.1	47.0
19.2	51.1	5070.5	550.0	-6.4	-21.7	225.4	14.5	14.5	1.2	316.5	320.5	1.3	29.6	9.0	52.0
19.5	54.7	5438.4	525.0	-8.0	-32.1	227.8	12.9	12.0	1.4	318.0	320.5	0.5	12.3	10.9	55.0
21.1	57.1	5815.4	500.0	-10.6	-33.5	222.7	15.3	14.9	-3.4	320.1	321.7	0.4	13.2	11.0	59.0
22.7	60.4	6203.5	475.0	-12.3	-33.3	221.7	18.2	16.9	-0.7	322.7	324.4	0.5	15.6	12.1	65.0
24.4	63.7	6610.9	450.0	-15.0	-35.6	220.2	19.4	16.9	-0.5	324.4	325.0	0.4	15.2	13.3	71.0
25.0	66.4	7040.6	425.0	-14.2	-35.6	302.6	22.7	19.1	-12.2	325.7	327.0	0.4	17.9	14.7	77.0
27.4	70.4	7490.0	400.0	-22.1	-39.2	259.5	22.2	19.3	-10.9	326.3	327.3	0.3	18.2	16.1	82.0
29.1	74.0	7969.6	375.0	-26.7	-42.7	250.5	21.5	19.2	-9.6	326.7	327.6	0.2	19.4	18.0	86.0
30.9	77.9	8444.4	350.0	-30.5	-45.0	259.7	21.2	19.4	-10.5	327.7	328.3	0.2	21.6	20.0	90.0
33.0	81.5	8947.2	325.0	-34.6	-42.5	304.2	23.2	19.1	-13.0	329.0	329.5	0.1	21.8	22.4	93.0
35.2	85.4	9541.6	300.0	-39.0	-42.5	305.6	24.6	20.0	-14.3	330.5	330.8	0.1	22.1	25.1	97.0
37.5	90.0	10132.4	275.0	-43.8	99.9	304.5	28.9	23.0	-16.3	331.9	999.9	0.9	99.9	29.2	101.0
39.0	90.0	10745.9	250.0	-48.6	99.9	303.9	27.0	23.2	-15.6	333.4	999.9	0.9	99.9	32.0	104.0
42.2	99.2	11454.5	225.0	-52.7	99.9	294.4	19.0	17.7	-9.9	337.8	999.9	0.9	99.9	35.3	105.0
45.7	106.4	12209.5	200.0	-57.5	99.9	281.3	22.0	22.4	-4.5	341.7	999.9	0.9	99.9	38.7	105.0
49.4	110.2	13041.5	175.0	-61.2	99.9	294.6	24.2	25.4	-6.6	349.9	999.9	0.9	99.9	43.4	105.0
51.7	116.0	14004.0	150.0	-65.5	99.9	282.6	22.6	20.9	-8.7	365.8	999.9	0.9	99.9	48.4	105.0
55.7	123.3	15131.1	125.0	-67.4	99.9	282.1	17.6	16.3	-8.6	400.2	999.9	0.9	99.9	52.6	106.0
60.0	131.0	16452.1	100.0	-68.0	99.9	99.9	99.9	99.9	99.9	400.3	999.9	0.9	99.9	99.9	99.9
60.0	90.0	99.0	75.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
60.0	90.0	99.0	50.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
60.0	99.0	99.0	25.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY TEMPD MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 2-1
DFL PIN. T-XAS

445 547

TIME	CNFC	WEIGHT	WIND	TEMP	DEPR	ALT	SPEED	U	V	W	DIR	CL	CH	RANGE	ALT
00.0	9.1	114.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
00.5	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01.0	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01.5	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
02.0	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
02.5	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
03.0	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
03.5	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
04.0	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
04.5	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
05.0	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
05.5	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
06.0	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
06.5	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
07.0	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
07.5	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
08.0	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
08.5	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
09.0	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
09.5	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.0	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.5	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.0	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.5	90.0	1200.0	072.5	25.4	21.2	110.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.0	90.0	1200.0	072.5	25.4	21.2	110.									

[illegible]

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 327
NASHVILLE, TENNESSEE

27 MAY 1977
2100 GMT

TIME MIN	CNCT	WEIGHT GMS	PRES MM	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GP/KG	RM PCT	RANGE KM	AZ DG
00.0	7.4	100.0	999.9	26.7	15.6	280.0	1.6	1.6	-1.3	302.9	333.7	11.4	45.0	0.0	0.0
05.0	95.0	1000.0	99.9	90.9	90.9	90.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
07.7	9.5	700.2	975.0	26.4	16.0	325.6	1.1	0.5	-0.9	301.8	333.7	11.9	52.7	0.0	143.0
10.4	10.4	274.4	950.0	24.0	14.9	14.9	1.6	-0.3	-1.4	301.4	332.0	11.3	56.4	0.1	164.0
7.9	17.0	741.4	925.0	21.9	14.0	39.6	2.0	-1.3	-1.6	301.7	331.4	11.0	61.1	0.2	180.0
4.0	15.7	64.4	900.0	19.7	13.6	40.6	1.6	-1.0	-1.3	301.8	331.9	11.2	65.3	0.3	202.0
9.0	17.5	1241.2	875.0	17.7	13.1	61.3	2.3	-2.0	-1.1	301.4	331.2	10.9	76.3	0.4	209.0
6.1	19.9	148.3	850.0	14.9	12.7	42.7	2.4	-2.5	-1.3	301.7	331.4	11.0	87.0	0.6	220.0
7.2	22.1	1741.2	825.0	13.5	11.5	42.7	2.1	-2.1	-0.3	302.9	331.3	10.6	87.9	0.7	226.0
9.6	24.9	2000.0	800.0	11.1	10.2	64.4	3.1	-3.1	-0.2	303.0	329.9	5.9	94.5	0.9	234.0
9.9	26.7	2245.1	775.0	9.7	8.2	59.3	3.9	-3.9	0.6	306.3	328.7	6.9	90.2	1.1	242.0
11.1	29.5	2477.4	750.0	8.9	4.0	110.4	5.7	-5.3	2.0	306.3	325.5	6.8	71.0	1.4	253.0
12.2	32.1	2417.9	724.0	6.4	2.7	114.7	6.3	-5.4	2.7	304.6	324.5	6.4	76.2	1.7	262.0
14.4	34.9	2105.4	700.0	4.4	-0.1	124.9	6.7	-5.5	3.4	307.9	323.5	5.4	70.2	2.1	269.0
16.5	37.7	2401.2	675.0	2.5	-1.3	124.9	7.3	-5.0	4.3	306.3	323.5	5.2	76.2	2.5	276.0
18.4	40.4	2407.4	650.0	-0.0	-1.9	113.7	6.8	-4.2	2.7	308.9	323.9	5.2	67.6	2.8	280.0
19.9	43.5	4748.4	600.0	0.2	-27.9	94.6	7.3	-7.2	-0.7	314.4	318.5	0.6	5.5	3.5	272.0
20.7	46.5	4173.2	475.0	-1.5	-27.4	80.1	6.9	-6.8	-1.2	316.3	320.6	0.7	11.7	4.6	275.0
21.1	51.7	4034.1	450.0	-4.1	-28.6	74.7	7.5	-7.3	-2.0	319.2	321.5	0.7	12.7	5.2	273.0
22.4	44.4	4407.4	425.0	-7.3	-29.5	68.7	6.4	-6.0	-2.4	319.6	321.8	0.6	15.0	5.8	271.0
22.7	57.4	4723.1	400.0	-10.6	-32.5	69.4	3.5	-3.5	-0.0	320.1	321.8	0.5	14.5	6.1	270.0
23.0	50.9	4173.2	375.0	-12.2	-35.7	122.4	5.9	-4.9	3.2	322.9	324.2	0.4	12.0	6.4	271.0
24.4	44.0	4444.7	350.0	-14.5	-37.7	116.1	4.5	-4.4	7.6	323.0	326.2	0.3	12.3	6.9	274.0
24.7	47.7	4470.3	325.0	-18.1	-40.2	123.3	5.0	-5.0	3.3	323.8	326.8	0.3	12.2	7.5	275.0
26.1	70.4	7464.6	300.0	-22.0	-42.5	127.6	5.7	-4.7	3.1	326.4	327.2	0.2	12.5	8.0	278.0
26.1	74.4	7464.6	275.0	-26.0	-44.4	126.0	6.4	-5.2	3.9	327.1	327.8	0.2	15.9	8.7	290.0
28.1	74.4	7464.6	250.0	-28.9	-46.4	124.4	6.4	-4.3	3.2	327.3	327.9	0.2	15.3	9.3	282.0
30.1	92.2	8057.2	225.0	-35.0	-47.4	107.7	4.9	-4.7	1.5	330.5	329.1	0.7	26.0	10.4	293.0
30.0	45.9	9544.4	200.0	-38.4	-50.7	113.1	3.1	-2.3	1.2	330.7	331.2	0.1	26.0	10.4	293.0
32.4	90.3	10037.5	175.0	-43.7	-49.6	171.3	2.9	-0.4	2.9	332.0	330.7	99.9	99.9	10.4	284.0
42.4	95.0	10729.4	150.0	-48.2	-49.9	192.6	4.4	0.2	4.4	332.0	330.7	99.9	99.9	10.4	287.0
44.7	95.0	11411.2	125.0	-55.7	-49.9	194.4	4.8	1.4	4.6	333.2	330.9	99.9	99.9	10.4	251.0
44.7	104.4	17142.4	200.0	-61.3	-49.9	173.7	4.0	-0.5	3.9	335.7	330.9	99.9	99.9	11.2	295.0
51.4	110.4	12977.1	175.0	-64.9	-49.9	174.7	3.0	-0.1	3.0	342.9	332.9	99.9	99.9	11.5	297.0
50.7	115.5	17077.1	150.0	-68.4	-49.9	247.0	7.7	6.4	2.7	363.4	330.9	99.9	99.9	11.3	282.0
50.6	127.7	14037.1	125.0	-62.4	-49.9	214.7	4.3	3.0	-2.0	382.0	330.9	99.9	99.9	9.0	285.0
50.7	130.4	14413.4	100.0	-62.5	-49.9	8.0	4.4	-0.7	-0.3	407.1	330.9	99.9	99.9	9.1	259.0
50.7	132.7	14219.4	75.0	-60.4	-49.9	174.7	4.9	2.3	-4.0	44.5	330.9	99.9	99.9	8.5	254.0
51.7	145.7	20712.4	50.0	-58.9	-49.9	76.2	7.4	-7.5	-1.0	504.6	330.9	99.9	99.9	9.2	282.0
52.2	145.0	25194.4	25.0	-48.4	-49.9	132.6	4.1	-3.6	2.4	579.7	330.9	99.9	99.9	13.1	276.0

BY SODIUM MEANS ELEVATION ANGLE BETWEEN 4 AND 10 DEG
BY THERM MEANS TEMPERATURE OF TIME HAVE BEEN INTERPOLATED
BY SODIUM MEANS ELEVATION ANGLE LESS THAN 4 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 340
 LITTLE ROCK, ARKANSAS

 27 MAY 1977
 2000 GMT

TIME MIN	CNTCT	WRIGHT GPM	PRES MM	TEMP DEG C	QFM PT DEG C	DIR DEG	SPEED M/SEC	U CCMP M/SEC	V CCMP M/SEC	POT T DEG K	E POT V DEG K	PH RTO GPM/KG	SM PCT	RANGE KM	AZ DEG
0.0	7.0	172.0	990.5	30.6	14.7	200.0	2.6	0.9	2.4	304.6	333.0	10.7	36.0	0.0	0
00.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.6	8.4	112.7	975.0	28.1	15.7	320.9	2.8	1.0	-2.2	303.5	311.9	11.6	46.7	0.1	163
1.7	10.8	945.6	940.0	25.5	19.1	317.2	1.7	1.2	-1.2	308.1	334.3	11.5	52.7	0.3	186
2.9	17.3	774.4	923.0	23.1	14.0	310.1	1.0	0.7	-0.6	303.1	327.7	10.9	56.3	0.3	146
3.7	15.6	1014.0	900.0	20.9	8.8	324.9	1.1	0.6	-0.9	303.1	325.1	8.0	46.0	0.4	146
4.7	19.6	1277.4	875.0	19.5	5.9	314.2	2.7	1.9	-1.9	304.1	322.6	6.6	40.7	0.5	146
5.7	20.5	1504.8	840.0	17.4	7.1	314.8	5.1	3.6	-1.6	304.6	325.4	7.5	30.1	0.7	146
4.6	23.0	1751.2	825.0	15.6	4.1	310.9	1.6	5.0	-2.3	305.1	325.2	7.2	32.0	1.1	130
7.4	23.9	2021.7	803.0	13.4	5.1	312.4	7.1	4.2	-3.8	305.4	324.6	6.9	37.0	1.4	137
9.4	28.1	2289.2	775.0	11.1	4.2	317.2	4.9	4.7	-5.1	305.7	324.6	6.7	62.4	1.8	137
9.3	30.9	2560.4	750.0	9.1	3.7	320.0	4.8	4.4	-5.2	305.6	324.4	6.7	72.7	2.2	137
10.2	37.4	2840.4	724.0	4.2	2.2	314.2	6.3	4.2	-4.7	304.2	323.9	6.2	75.2	2.5	137
11.2	36.3	3127.9	700.0	4.9	0.8	312.2	5.1	3.8	-3.4	307.9	324.7	5.9	75.4	2.9	137
12.2	39.1	3424.2	675.0	3.7	-1.6	300.2	3.9	2.4	-2.0	309.4	323.8	5.0	68.0	3.2	137
13.4	42.0	3729.0	650.0	2.2	-6.5	276.4	4.0	4.3	-0.5	311.5	322.3	3.6	52.2	3.4	135
14.4	45.0	4045.6	625.0	-0.2	-5.1	260.9	6.0	5.9	0.9	312.2	324.7	4.2	66.3	3.6	131
14.5	48.1	4371.4	600.0	-2.1	-9.9	244.1	7.0	6.3	3.0	311.6	323.5	3.3	55.8	3.9	125
17.7	51.1	4738.4	574.0	-3.7	-13.3	230.2	7.8	6.0	4.0	315.7	326.6	3.6	70.3	4.1	118
17.4	54.4	5049.4	550.0	-5.8	-13.0	211.2	8.0	6.3	5.0	317.2	325.2	2.6	56.6	4.3	111
19.1	57.6	5423.4	525.0	-7.3	-16.4	244.6	5.8	5.2	2.5	317.7	324.2	2.0	48.1	4.6	106
20.5	61.0	5801.5	500.0	-10.1	-20.3	262.4	4.4	4.7	0.4	320.7	325.6	1.5	42.2	5.0	103
21.0	64.6	6164.7	474.0	-12.1	-20.1	244.8	7.9	7.9	0.7	321.5	325.0	1.6	36.4	5.6	101
23.4	68.0	6504.3	450.0	-16.2	-22.3	251.0	4.3	7.9	2.4	322.4	327.6	1.4	36.0	6.3	99
25.9	71.7	6812.5	425.0	-19.2	-25.3	274.8	6.7	9.7	3.5	324.4	328.3	1.1	28.2	6.9	98
28.3	75.6	7450.4	400.0	-22.9	-28.6	231.9	4.0	3.2	2.4	325.3	328.9	1.1	71.2	7.2	92
29.0	79.7	7849.6	375.0	-27.0	-24.9	211.5	5.1	1.7	4.4	325.9	329.1	0.9	43.7	7.4	91
29.7	81.8	8441.4	350.0	-30.9	-32.7	205.4	7.2	1.1	6.5	327.1	325.6	0.7	82.9	7.9	87
31.4	87.9	8841.4	325.0	-34.2	-40.8	184.2	7.6	1.1	7.7	328.4	330.8	0.3	52.3	8.1	82
33.3	92.7	9420.0	300.0	-38.9	-49.8	170.0	7.4	-1.3	7.3	330.5	999.9	99.9	955.9	8.1	82
34.5	97.4	10110.8	275.0	-43.6	-49.5	164.9	8.7	-2.3	8.6	332.1	999.9	99.9	955.9	8.3	66
37.5	102.4	10744.4	250.0	-46.4	-49.9	169.1	9.7	-1.7	9.0	333.9	999.9	99.9	999.9	8.6	60
40.5	108.0	11439.8	225.0	-53.7	-49.9	190.0	9.7	-0.0	9.7	336.3	999.9	95.9	955.5	9.1	50
43.4	117.8	12143.0	200.0	-56.1	-49.9	247.8	8.7	4.0	3.3	343.9	999.9	99.9	999.9	10.8	49
44.3	120.0	13019.9	175.0	-62.5	-49.9	314.4	3.8	2.7	-2.7	348.9	999.9	95.9	955.9	11.4	52
46.8	127.0	13948.8	150.0	-60.6	-49.9	210.7	6.9	3.8	6.0	365.7	999.9	99.9	999.9	11.9	59
53.5	174.7	15009.0	125.0	-62.0	-49.9	292.2	8.4	7.8	-3.2	382.7	999.9	99.9	999.9	13.2	61
58.6	142.3	15481.7	100.0	-61.0	-49.9	314.5	9.3	1.4	-3.7	408.5	999.9	98.8	955.5	14.8	48
64.6	150.7	16249.5	75.0	-64.1	-49.9	63.4	1.7	-1.6	-0.8	436.6	999.9	99.9	999.9	14.4	70
73.0	160.0	20762.4	40.0	-66.2	-49.9	75.1	4.2	-4.1	-1.1	511.1	999.9	95.9	955.9	13.2	71
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 343
 OKLAHOMA CITY, OKLAHOMA

 27 MAY 1977
 2000 GMT

TIME MIN	CMTCY	HEIGHT GPM	PRFS WS	TEMP DG L	DW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	POT Y DG K	MR YTD GP/KG	RM PCT	RANGE KM	AZ DG
0.0	9.0	302.0	902.1	25.5	19.5	160.0	7.7	02.6	7.2	302.1	302.2	15.0	65.0	0.0	0.
00.5	90.0	90.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
00.9	90.0	90.0	975.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.4	10.5	505.3	940.0	25.1	99.0	173.4	9.5	-1.1	9.7	302.7	302.9	99.0	99.0	9.3	323.
1.3	12.7	717.0	925.0	22.7	17.2	161.0	11.2	0.2	11.2	302.4	302.4	13.0	71.1	0.0	354.
2.1	15.1	975.4	900.0	20.4	14.6	185.9	10.6	1.1	10.7	302.5	302.5	13.4	76.0	1.4	359.
3.9	17.0	1219.4	875.0	17.8	15.9	194.1	11.2	2.7	10.8	302.3	302.3	13.1	80.4	2.0	8.
4.2	19.0	1405.4	850.0	16.3	14.7	206.2	10.5	6.4	13.0	303.3	303.3	12.5	90.1	2.0	7.
5.1	27.2	1791.0	825.0	14.7	12.2	217.5	14.1	9.6	11.2	304.2	304.2	11.7	90.7	3.7	13.
9.9	24.8	1047.0	800.0	15.0	10.3	222.4	13.2	9.0	9.7	307.1	307.1	9.9	73.0	0.1	17.
4.5	27.1	2250.7	775.0	13.4	9.1	229.3	10.3	7.8	6.7	308.2	308.2	7.7	61.4	4.7	21.
7.9	26.8	2250.6	750.0	12.4	1.3	241.4	7.9	6.9	3.8	311.6	311.6	5.6	46.8	5.2	20.
9.0	32.4	2410.3	725.0	10.5	-3.2	243.1	7.3	5.2	3.9	311.1	311.1	4.2	37.0	5.6	37.
10.1	39.3	2410.4	700.0	8.0	-5.2	243.1	7.4	4.6	3.4	311.1	311.1	3.7	28.7	6.0	30.
11.2	40.6	2400.0	675.0	5.2	-5.1	244.7	9.9	9.0	4.2	311.4	311.4	3.9	27.6	6.5	33.
12.4	40.6	2400.0	650.0	2.4	-6.2	246.0	12.3	11.2	5.0	311.6	311.6	3.7	23.2	7.1	36.
13.6	43.5	2421.0	625.0	-0.4	-12.8	246.3	13.4	12.3	5.4	311.7	311.7	2.3	19.1	8.0	40.
14.8	46.5	2424.4	600.0	-3.1	-19.5	248.4	15.3	14.3	5.6	312.6	312.6	1.4	26.9	9.0	43.
15.1	49.5	2432.6	575.0	-4.4	-23.1	253.2	17.9	17.1	7.2	314.9	314.9	1.0	21.6	10.0	46.
17.3	57.4	2431.3	550.0	-4.2	-25.5	255.8	19.0	18.4	4.7	316.7	316.7	0.9	20.0	11.2	49.
19.4	59.7	2430.8	525.0	-6.4	-27.4	258.9	16.9	14.6	3.3	318.2	318.2	0.9	16.6	12.8	52.
20.0	59.7	2430.8	500.0	-10.5	-29.8	269.4	14.7	10.7	0.1	320.2	320.2	0.6	18.7	13.6	55.
21.0	63.1	2432.4	475.0	-13.4	-32.3	275.9	14.0	10.4	-4.1	321.3	321.3	0.5	18.7	14.6	59.
23.2	65.6	2431.7	450.0	-14.4	-32.5	285.4	19.9	12.1	-5.6	322.5	322.5	0.5	23.5	15.7	63.
24.7	69.1	2430.1	425.0	-19.0	-35.4	279.8	22.2	21.9	-3.8	324.7	324.7	0.4	22.0	17.4	68.
26.3	72.7	2437.3	400.0	-22.0	-38.7	282.0	20.0	19.6	-9.1	325.0	325.0	0.3	21.4	19.0	71.
27.8	75.5	2437.9	375.0	-26.4	-41.6	284.5	21.9	21.2	-9.5	326.2	326.2	0.3	21.4	20.7	74.
29.5	80.5	2410.4	350.0	-31.4	-45.5	284.7	21.2	23.5	-9.4	326.4	326.4	0.2	21.2	22.6	76.
31.5	84.7	2420.7	325.0	-35.5	-49.0	287.4	22.7	21.7	-9.4	327.1	327.1	0.2	21.2	23.8	79.
33.4	89.9	2422.2	300.0	-39.9	-49.9	290.7	26.2	24.5	-9.3	329.1	329.1	99.0	99.0	27.3	82.
35.5	93.4	14071.9	275.0	-43.4	99.0	291.9	31.4	27.6	-11.9	332.4	332.4	99.0	99.0	30.4	84.
37.4	94.4	10704.8	250.0	-48.0	99.0	289.7	25.3	24.0	-9.1	334.7	334.7	99.0	99.0	33.8	86.
39.6	103.6	11751.5	225.0	-53.9	99.0	276.5	19.0	19.9	-2.2	335.9	335.9	99.0	99.0	36.5	90.
42.4	109.3	12180.4	200.0	-56.8	99.0	274.0	22.3	22.2	-1.5	342.4	342.4	99.0	99.0	39.9	96.
45.2	115.2	12053.9	175.0	-54.9	99.0	284.2	22.9	22.0	-0.4	344.1	344.1	99.0	99.0	43.8	91.
48.5	121.8	11040.1	150.0	-58.5	99.0	289.1	21.4	23.4	-7.1	349.3	349.3	99.0	99.0	48.2	92.
52.1	129.0	14052.0	125.0	-60.2	99.0	288.0	12.9	12.3	-4.0	345.9	345.9	99.0	99.0	51.7	93.
57.0	137.0	16473.5	100.0	-62.8	99.0	291.1	9.9	7.8	-1.1	404.4	404.4	99.0	99.0	54.0	94.
62.5	144.7	14234.3	75.0	-62.4	99.0	38.7	4.5	-2.8	-3.5	442.2	442.2	99.0	99.0	56.7	94.
70.6	153.1	20770.8	50.0	-57.9	99.0	53.1	4.3	-3.5	-2.6	507.3	507.3	99.0	99.0	63.4	95.
93.4	162.0	24219.1	25.0	-51.3	99.0	94.1	0.7	-4.7	0.5	637.3	637.3	99.0	99.0	69.1	96.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 * BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DPG

STATION NO. 433
SALEM, ILLINOIS27 MAY 1977
2014 GMT

154 33. 0

TIME MIN	CNCT	WEIGHT GMS	PRES MM	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	W R TO CM/MS	RM PCT	RANGE KM	AZ DG
0.0	7.6	175.0	999.9	29.4	11.4	180.0	4.2	0.0	4.2	303.9	327.4	8.6	32.0	0.0	0.0
00.0	00.0	99.0	1000.0	29.9	09.5	99.0	99.9	42.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.5	0.9	299.3	975.0	27.0	10.4	133.6	3.6	-2.1	2.9	107.3	324.9	9.9	35.5	0.1	215.0
1.0	11.0	528.3	950.0	25.6	9.9	100.3	3.5	-2.4	3.0	302.9	325.5	8.1	37.3	0.3	215.0
2.1	12.1	741.7	925.0	23.1	9.1	175.4	3.1	-0.2	3.1	302.9	324.7	7.9	40.9	0.4	215.0
2.7	14.6	900.8	900.0	21.0	6.8	214.9	2.9	1.7	2.4	303.1	325.0	7.9	45.2	0.5	330.0
7.5	17.9	1232.5	875.0	15.5	7.8	197.0	3.0	0.4	2.9	303.0	324.1	7.6	45.2	0.5	330.0
4.1	20.3	1420.2	850.0	15.8	7.0	176.0	3.4	-0.1	3.4	303.0	323.4	7.3	55.8	0.7	340.0
6.9	22.7	1743.0	825.0	13.6	6.4	187.0	3.1	0.4	3.1	303.0	323.3	7.3	61.6	0.8	340.0
9.7	25.1	2001.4	800.0	11.4	1.2	198.4	4.8	1.6	4.6	303.3	318.6	3.4	51.1	1.0	323.0
6.5	27.7	2266.6	775.0	11.1	-7.6	184.0	6.2	1.5	6.0	305.7	314.0	2.8	28.3	1.3	1.0
7.7	30.4	2530.7	750.0	8.9	-18.8	177.1	6.6	-0.3	6.6	304.2	309.9	1.2	12.4	1.7	2.0
9.4	32.9	2814.3	725.0	8.3	-23.6	164.9	6.7	-1.8	6.5	308.6	311.1	0.8	8.3	2.1	360.0
9.8	34.5	3107.3	700.0	6.9	-24.4	147.2	6.4	-3.4	5.4	310.2	312.6	0.8	8.5	2.5	340.0
11.0	36.3	3400.2	675.0	4.5	-25.2	147.9	6.0	-3.2	5.1	310.7	313.0	0.7	8.6	2.9	251.0
12.3	40.9	3710.6	650.0	3.4	-26.3	162.3	6.0	-1.8	5.7	313.1	315.3	0.7	8.9	3.3	340.0
13.5	43.8	4027.8	625.0	1.7	-27.5	150.2	5.3	-1.0	5.0	314.4	316.5	0.4	5.2	3.7	245.0
14.7	44.9	4355.2	600.0	-0.6	-23.0	150.9	6.4	-3.1	5.6	315.5	318.6	1.0	16.7	4.1	347.0
15.9	46.5	4653.4	575.0	-3.3	-25.6	131.4	5.7	-4.3	3.8	316.2	318.9	0.8	15.2	4.5	345.0
17.2	52.7	5040.0	550.0	-4.9	-31.2	126.6	4.6	-3.7	2.8	318.3	320.1	0.5	10.6	4.8	342.0
18.5	54.5	5407.0	525.0	-7.8	-32.7	155.3	4.0	-1.7	3.6	319.0	320.6	0.5	11.5	5.1	340.0
19.9	59.0	5747.3	500.0	-10.0	-33.3	190.9	5.1	1.0	5.0	320.8	322.4	0.5	12.2	5.4	241.0
21.3	62.4	6174.4	475.0	-13.1	-33.4	184.9	7.2	1.0	7.0	321.7	323.4	0.5	12.3	5.8	340.0
22.9	65.9	6547.5	450.0	-16.5	-36.0	184.5	8.2	0.6	8.2	322.6	323.9	0.4	16.8	6.5	347.0
24.4	69.4	7015.0	425.0	-19.3	-38.0	183.5	9.0	0.6	9.0	324.3	325.5	0.3	17.1	7.3	346.0
26.0	73.0	7463.7	400.0	-22.6	-37.0	183.8	7.3	0.5	7.3	325.3	326.8	0.4	25.8	8.1	350.0
27.8	77.0	7933.0	375.0	-26.3	-26.7	184.5	6.2	0.5	6.2	326.9	330.7	1.1	54.4	8.8	351.0
29.3	80.9	8427.8	350.0	-30.7	-31.5	180.3	6.2	0.0	6.2	327.3	330.1	0.8	92.8	9.3	252.0
31.8	85.1	8949.4	325.0	-35.2	-36.9	172.6	6.3	-0.8	6.3	328.1	329.9	0.5	24.7	10.0	352.0
34.1	89.4	9501.0	300.0	-40.2	99.9	164.8	6.9	-1.8	6.7	328.7	329.9	99.9	99.9	10.7	253.0
35.2	94.4	10093.1	275.0	-45.4	99.9	159.1	9.3	-3.3	8.7	329.4	329.9	99.9	99.9	11.7	251.0
37.5	99.2	10717.0	250.0	-50.4	99.9	158.8	10.5	-3.8	9.8	331.2	329.9	99.9	99.9	13.0	250.0
39.5	104.3	11396.5	225.0	-55.7	99.9	160.3	11.4	-3.8	10.7	333.1	329.9	99.9	99.9	14.5	249.0
42.5	110.0	12137.4	200.0	-60.5	99.9	174.9	9.7	-0.8	8.6	336.9	329.9	99.9	99.9	16.4	248.0
45.2	115.8	12970.6	175.0	-65.5	99.9	238.0	7.5	6.6	4.1	351.7	329.9	99.9	99.9	17.2	250.0
48.2	122.7	13920.2	150.0	-70.2	99.9	277.2	3.8	3.8	-0.5	361.3	329.9	99.9	99.9	17.3	380.0
52.2	130.0	15045.2	125.0	-81.8	99.9	3.1	4.3	-0.2	-4.3	383.1	329.9	99.9	99.9	16.8	380.0
57.0	137.7	16479.0	100.0	-90.4	99.9	17.8	4.2	-2.3	3.6	410.6	329.9	99.9	99.9	15.9	253.0
62.6	145.3	18272.6	75.0	-94.2	99.9	339.3	4.8	1.7	-4.8	438.4	329.9	99.9	99.9	16.0	357.0
71.0	154.0	20745.4	50.0	-98.9	99.9	99.9	99.9	99.9	99.9	509.4	329.9	99.9	99.9	14.9	340.0
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	329.9	99.9	99.9	99.9	99.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 4 AND 10 DEG
 1 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 2 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451
 DODGE CITY, KANSAS

27 MAY 1977

2015 GMT

145 20. 0

TIME MIN	CNTCT	WPGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SFC	U (COMP) M/SFC	V COMP M/SEC	DIR T DG K	E POT T DG K	MX RTO GM/KG	RM PCY	RANGE KM	AZ DG
0.0	17.6	791.0	917.0	25.0	17.9	200.0	4.1	1.4	3.9	305.6	335.7	11.0	50.0	0.0	0.
99.9	90.0	90.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	90.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	90.0	90.0	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	90.0	90.0	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.6	15.3	054.5	900.0	21.7	13.1	203.4	5.1	2.0	4.6	303.9	373.0	10.6	50.0	0.2	13.
1.4	17.7	1109.7	875.0	19.6	12.2	193.7	5.6	1.8	5.3	304.2	372.0	10.3	50.0	0.4	18.
2.3	19.7	1448.0	850.0	17.5	12.0	194.6	5.7	1.9	5.4	304.4	372.0	10.4	50.0	0.7	19.
3.4	21.9	1701.9	825.0	13.7	11.4	201.4	6.9	2.6	6.4	303.1	371.3	10.3	50.0	1.1	18.
4.2	24.4	1940.9	800.0	11.3	9.4	212.2	7.2	3.4	6.1	303.3	371.3	10.3	50.0	1.5	20.
5.1	26.4	2224.0	775.0	10.7	1.7	222.0	8.7	6.1	6.3	303.3	371.3	10.3	50.0	1.9	24.
6.1	28.2	2460.2	750.0	10.5	-9.5	234.1	9.7	7.9	5.7	304.0	371.3	10.3	50.0	2.4	30.
7.0	31.4	2720.0	725.0	9.1	-12.4	241.2	11.9	10.4	5.7	305.4	371.3	10.3	50.0	2.9	35.
7.9	34.4	2945.4	700.0	5.8	-11.0	242.0	14.5	12.8	6.4	308.9	371.3	10.3	50.0	3.4	40.
9.0	37.0	3164.4	675.0	3.0	-9.7	241.3	17.0	14.9	8.2	309.0	371.3	10.3	50.0	4.3	45.
10.1	39.9	3423.1	650.0	0.9	-10.4	240.1	19.2	16.6	9.6	309.9	371.3	10.3	50.0	5.7	48.
11.3	42.3	3682.4	625.0	-2.2	-17.5	238.4	20.3	17.3	10.6	310.0	371.3	10.3	50.0	7.1	50.
12.5	44.7	3905.7	600.0	-2.6	-30.5	236.6	20.5	17.1	11.7	313.1	371.3	10.3	50.0	8.6	52.
13.7	46.3	4115.2	575.0	-5.5	-46.1	234.8	17.9	15.0	9.7	313.6	371.3	10.3	50.0	10.0	52.
14.9	51.0	4340.0	550.0	-7.3	-39.1	234.9	17.9	15.0	9.8	315.4	371.3	10.3	50.0	11.2	53.
16.1	54.1	4549.8	525.0	-9.6	-45.2	232.3	14.3	12.9	10.0	316.9	371.3	10.3	50.0	12.5	53.
17.3	57.1	4724.9	500.0	-11.8	-53.3	234.7	13.6	11.1	7.9	318.7	371.3	10.3	50.0	13.6	53.
18.7	60.5	4915.2	475.0	-14.9	-61.5	234.8	12.2	11.9	2.8	319.6	371.3	10.3	50.0	14.5	54.
19.9	63.9	5121.0	450.0	-18.2	-49.0	270.9	15.4	16.4	-0.3	320.1	371.3	10.3	50.0	15.4	56.
21.5	67.1	5344.8	425.0	-21.5	-50.7	264.6	24.0	27.9	2.3	321.1	371.3	10.3	50.0	17.0	59.
23.9	70.8	5592.7	400.0	-24.9	-52.5	253.7	24.9	28.1	6.1	322.6	371.3	10.3	50.0	19.0	62.
24.4	74.5	5846.4	375.0	-28.7	-51.9	249.9	25.3	23.8	6.7	323.7	371.3	10.3	50.0	21.5	63.
25.2	78.5	6043.7	350.0	-33.3	-51.6	252.6	26.5	25.3	7.9	323.9	371.3	10.3	50.0	23.9	64.
27.8	82.5	6250.3	325.0	-38.0	-54.6	255.8	28.0	27.1	6.9	324.3	371.3	10.3	50.0	26.6	65.
29.4	86.5	6404.2	300.0	-42.5	-59.9	256.4	25.9	23.7	6.1	325.5	371.3	10.3	50.0	29.2	66.
31.4	91.0	6598.8	275.0	-47.9	-69.9	260.4	26.1	25.7	4.3	326.0	371.3	10.3	50.0	32.0	67.
33.4	95.7	6814.1	250.0	-48.0	-69.9	266.7	25.2	25.2	1.5	333.3	371.3	10.3	50.0	35.2	68.
35.4	100.7	7070.0	225.0	-51.0	-69.9	257.4	25.3	24.7	5.4	340.3	371.3	10.3	50.0	38.3	70.
37.9	106.4	7244.0	200.0	-52.9	-69.9	265.7	22.8	22.7	1.7	349.0	371.3	10.3	50.0	41.5	70.
43.4	112.3	7420.3	175.0	-55.5	-69.9	253.5	21.1	20.2	9.0	359.3	371.3	10.3	50.0	44.5	71.
47.1	114.3	7501.2	150.0	-56.5	-69.9	240.2	20.7	20.4	3.5	372.7	371.3	10.3	50.0	47.4	71.
46.2	125.4	7604.5	125.0	-40.7	-69.9	273.7	14.7	14.6	-0.0	386.0	371.3	10.3	50.0	51.5	72.
50.3	132.7	7648.9	100.0	-62.6	-69.9	286.5	6.3	4.1	-1.8	400.9	371.3	10.3	50.0	53.2	73.
55.4	140.1	7800.8	75.0	-43.1	-69.9	181.3	4.7	0.1	4.7	400.8	371.3	10.3	50.0	54.1	73.
62.1	147.7	7943.1	50.0	-57.5	-69.9	91.4	3.6	-3.6	0.1	507.3	371.3	10.3	50.0	53.7	72.
73.2	156.4	8122.7	25.0	-52.7	-69.9	94.6	10.2	-10.1	0.0	633.9	371.3	10.3	50.0	49.9	72.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 4 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 456
TOPEKA, KANSAS27 MAY 1977
2000 GMT

TIME MIN	CNYCT	HEIGHT GPM	PRES IN	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MX RTO GPM/KG	RM PCT	RANGE KM	AZ DEG
0.0	7.9	249.0	975.0	25.0	20.0	200.0	4.1	1.4	3.9	300.2	340.8	15.3	74.6	0.0	0.
0.1	9.9	99.0	1000.0	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.2	7.9	277.1	975.0	26.2	19.5	209.3	4.5	2.2	3.9	301.6	341.0	14.8	66.8	0.2	25.
1.2	10.7	904.7	950.0	24.6	16.4	211.4	5.8	3.0	4.9	302.1	335.7	12.5	60.2	0.4	182.
2.5	12.3	770.5	925.0	21.7	13.2	213.4	6.9	3.6	5.8	303.5	329.7	10.4	58.4	0.5	72.
3.7	14.5	975.4	900.0	19.5	12.7	212.2	6.9	3.7	5.0	301.7	329.8	10.4	64.5	0.9	23.
4.7	16.7	1214.8	875.0	17.2	12.5	209.3	6.3	3.0	5.4	301.6	330.1	10.5	74.2	1.3	88.
5.8	19.2	1444.7	840.0	14.7	11.8	207.5	5.3	2.5	4.7	301.9	329.5	10.3	82.7	1.7	42.
6.4	21.4	1714.0	825.0	12.6	10.8	204.4	5.1	2.3	4.5	301.9	329.0	10.0	86.0	1.9	40.
7.5	23.9	1974.0	800.0	10.2	9.8	200.0	5.4	2.4	5.1	302.1	326.6	9.0	86.0	2.2	30.
8.5	26.2	2240.1	775.0	8.6	7.4	224.7	7.7	5.5	5.3	303.0	326.1	8.4	82.3	2.6	38.
9.7	28.4	2411.4	750.0	7.8	5.8	253.9	7.5	7.2	2.1	307.1	328.2	8.3	93.0	3.1	42.
11.4	31.4	2753.0	725.0	5.0	-5.8	250.0	7.7	7.2	2.6	307.1	317.2	3.4	40.0	3.8	40.
12.7	34.1	3078.0	700.0	5.9	-8.5	249.0	8.4	8.2	3.2	309.1	317.7	2.9	24.6	4.4	51.
13.4	36.4	3374.9	675.0	4.1	-14.1	263.8	9.3	9.3	1.0	310.2	314.1	1.9	28.2	4.9	54.
15.0	39.4	3690.7	650.0	1.9	-17.8	270.1	10.2	10.2	-0.0	311.2	315.7	1.4	21.5	5.5	56.
15.7	42.0	3995.1	625.0	-0.5	-13.9	257.7	11.5	11.2	2.5	311.9	318.4	2.1	35.5	6.2	62.
17.6	45.0	4320.0	600.0	-3.5	-9.6	239.7	13.3	11.5	6.7	312.1	321.4	3.1	62.2	7.2	62.
18.2	48.0	4655.9	575.0	-4.5	-10.5	227.6	14.5	11.5	10.5	315.7	323.9	3.0	43.1	8.6	61.
20.8	50.9	5094.7	550.0	-6.7	-13.8	224.9	14.2	10.0	10.0	316.1	323.6	2.4	57.2	10.0	59.
22.3	53.0	5355.8	525.0	-9.9	-14.3	219.7	12.6	4.0	9.7	316.4	324.1	2.4	70.6	11.2	57.
24.0	57.0	5741.2	500.0	-11.6	-17.1	211.2	13.9	7.2	11.0	318.9	325.3	2.0	63.7	12.3	55.
25.5	60.4	6112.5	475.0	-14.5	-21.0	194.0	14.1	5.0	15.3	320.0	324.9	1.5	57.0	13.6	52.
27.1	63.9	6480.2	450.0	-17.0	-27.1	145.9	16.3	1.7	14.2	321.9	325.0	0.9	40.2	14.8	48.
31.3	70.3	6947.2	425.0	-19.6	-25.7	147.4	16.0	7.0	15.8	323.4	327.5	1.1	58.4	16.2	43.
33.3	74.5	7418.5	400.0	-22.0	-45.9	193.3	16.6	1.0	14.6	325.4	327.3	0.2	14.5	18.0	36.
35.5	78.5	7884.5	375.0	-25.7	-66.3	145.0	17.9	1.6	17.8	327.6	327.7	0.0	1.0	19.7	36.
37.8	82.5	8351.6	350.0	-29.2	-48.6	192.1	21.8	4.6	21.3	329.4	329.5	0.0	1.0	22.1	33.
40.6	87.7	8809.4	325.0	-32.5	-48.6	179.8	22.0	-0.1	22.0	330.5	331.1	0.1	21.7	24.8	30.
43.4	91.4	9265.4	300.0	-37.7	-59.7	174.6	23.4	-2.2	23.3	332.1	332.5	0.0	8.9	24.0	25.
46.3	95.0	10050.2	275.0	-42.5	-99.9	164.5	24.4	-5.1	21.3	333.6	333.6	99.9	955.0	21.2	22.
49.4	101.0	11744.3	250.0	-46.7	99.5	173.6	24.4	-2.4	23.4	336.6	336.6	99.9	999.9	24.6	18.
52.9	104.9	12132.0	200.0	-52.2	99.9	175.3	23.5	-1.9	23.4	378.5	378.5	99.9	955.5	38.9	15.
56.8	113.5	12931.6	175.0	-61.8	99.9	175.6	21.9	1.9	21.9	378.5	378.5	99.9	955.9	43.3	13.
61.2	119.0	13917.3	150.0	-67.4	99.9	232.4	11.4	4.0	7.0	371.2	371.2	99.9	955.9	47.3	12.
66.5	125.3	15079.4	125.0	-74.4	99.5	240.7	7.6	6.6	3.7	374.9	374.9	99.9	955.9	52.3	15.
72.7	134.7	16455.5	100.0	-80.0	99.9	252.1	5.4	5.3	1.7	410.0	410.0	99.9	955.9	53.4	17.
79.9	142.0	19255.8	75.0	-81.5	99.5	509.9	99.9	99.9	99.9	443.7	443.7	99.9	955.9	555.9	550.
89.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	25.0	50.9	99.9	99.9	99.9	99.9	99.9	50.9	50.9	50.9	955.9	999.9	999.9

BY SPEED MEANS ELEVATION ANGLE BETWEEN F AND 10-DEG
 BY TEMP MEANS TEMPERATURE OF TIME HAVE BEEN INTERPOLATED
 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532
PFORIA, ILLINOIS

27 MAY 1977
2015 GMT

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX RTO	RM	159	8.0
MIN		GM	MB	DEG C	DEG C	DEG	M/SEC	M/SEC	M/SEC	DEG K	DEG K	CM/KG	PCT	RM	DEG
0.0	7.7	200.0	996.7	31.1	9.9	100.0	5.1	-5.0	0.9	305.4	327.2	7.8	27.0	0.0	0.
0.9	9.0	99.0	1000.0	99.9	94.6	99.0	99.9	0.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.2	9.0	305.2	975.0	27.8	9.9	145.7	8.2	-2.4	3.5	301.1	319.4	9.0	27.0	0.0	0.
1.1	9.3	538.2	950.0	26.1	5.7	137.5	4.9	-3.3	3.5	303.7	320.8	6.1	27.1	0.2	273.
1.6	11.6	750.2	925.0	24.1	6.1	130.1	5.4	-4.2	3.5	304.2	324.2	6.4	30.9	0.2	256.
2.6	13.5	1007.9	900.0	21.7	5.0	131.4	6.2	-4.7	4.1	303.9	322.0	6.4	30.9	0.6	306.
3.7	15.4	1251.1	875.0	19.2	5.0	142.3	7.0	-4.3	5.5	303.7	321.4	6.4	30.9	0.9	306.
4.8	17.3	1400.0	850.0	16.7	4.4	147.9	7.6	-2.9	7.1	303.4	321.1	6.3	30.9	1.2	309.
5.9	19.5	1752.3	825.0	14.1	3.6	157.7	7.6	-2.9	7.1	303.4	321.1	6.3	30.9	1.7	313.
6.9	21.3	2011.4	800.0	12.4	2.6	156.0	6.9	-2.5	6.3	304.4	320.8	6.0	45.1	2.1	317.
7.4	23.5	2274.0	775.0	9.4	-2.8	155.0	8.6	-1.0	5.5	304.4	317.8	5.8	45.1	2.5	321.
7.7	25.4	2549.0	750.0	10.2	-17.6	151.4	10.3	-1.3	9.8	307.7	311.7	4.3	44.2	2.9	322.
8.9	27.7	2875.8	725.0	4.7	-17.6	150.7	9.5	-3.3	7.3	309.0	314.9	1.9	20.0	4.0	328.
9.9	30.0	3114.5	700.0	6.1	-10.9	154.6	7.8	-2.9	5.5	309.4	317.8	2.4	20.0	4.6	325.
11.4	32.4	3414.4	675.0	4.4	-11.5	154.7	5.0	-2.4	4.7	312.5	317.9	1.7	23.6	5.0	330.
12.9	34.7	3722.1	650.0	3.1	-15.7	144.9	5.7	-3.3	4.7	312.5	317.9	1.7	23.6	5.0	330.
14.0	37.0	4078.4	625.0	1.2	-21.0	152.8	6.1	-2.5	5.5	313.4	317.5	1.1	17.2	5.7	320.
15.2	39.4	4453.6	600.0	-0.9	-26.8	167.9	7.4	-1.6	7.6	315.1	317.4	0.7	11.9	6.2	330.
16.4	41.4	4703.1	575.0	-2.3	-24.4	173.7	5.8	-1.0	8.7	317.3	320.3	0.9	16.2	6.8	328.
17.5	44.4	4954.2	550.0	-5.0	-20.6	161.5	9.9	-2.8	8.4	319.2	320.9	0.8	16.2	7.4	328.
18.9	47.3	5214.9	525.0	-7.7	-33.4	147.9	7.3	-7.3	7.0	319.2	321.1	0.6	13.8	8.0	334.
20.0	50.0	5464.9	500.0	-10.1	-33.4	147.9	7.3	-7.3	7.3	320.8	322.4	0.6	12.0	8.5	335.
21.5	52.7	5700.2	475.0	-13.0	-37.5	102.9	8.4	1.6	8.2	321.9	323.2	0.4	12.0	9.0	335.
22.9	55.5	5900.2	450.0	-16.0	-37.5	102.9	9.4	2.1	9.2	323.2	324.4	0.7	13.6	9.7	340.
24.1	58.5	6077.5	425.0	-19.7	-30.7	192.9	10.4	2.4	10.5	324.7	324.7	0.3	13.7	10.5	342.
25.5	61.0	7044.1	375.0	-26.7	-30.7	202.7	9.4	3.3	9.2	324.7	324.4	0.8	13.7	11.3	346.
26.9	64.4	8044.2	350.0	-31.3	-35.8	194.4	9.1	3.5	8.4	326.2	324.1	0.8	13.7	12.0	348.
31.2	71.7	9454.5	325.0	-35.7	-43.1	183.9	10.4	2.4	10.1	326.8	328.4	0.5	63.8	13.0	351.
33.2	74.5	9411.1	300.0	-35.7	95.5	187.5	10.4	1.4	10.3	327.5	328.5	0.3	42.9	13.9	352.
35.3	79.7	10097.4	275.0	-44.4	95.5	184.7	11.1	0.9	11.1	331.0	999.9	99.9	95.5	15.2	352.
37.5	87.8	10731.6	250.0	-49.1	95.5	179.9	11.1	0.9	11.1	331.0	999.9	99.9	95.5	16.6	354.
40.0	93.2	11413.0	225.0	-54.9	95.5	154.3	5.3	-2.3	4.8	334.1	999.9	99.9	95.5	17.5	345.
42.6	97.2	12144.4	200.0	-59.4	95.5	209.1	6.4	-2.3	4.8	334.1	999.9	99.9	95.5	18.9	355.
45.5	99.5	12849.3	175.0	-60.7	95.5	235.4	6.1	3.0	5.3	349.7	999.9	99.9	95.5	19.6	354.
49.0	104.5	13949.0	150.0	-61.0	99.9	235.4	4.5	3.7	2.4	355.0	999.9	99.9	95.5	20.8	354.
57.0	111.0	15047.0	125.0	-60.4	99.9	304.4	4.6	3.6	-2.6	384.7	999.9	99.9	95.5	21.2	356.
57.9	119.0	16470.1	100.0	-61.8	99.9	304.4	2.6	-2.0	-1.6	404.7	999.9	99.9	95.5	21.5	356.
64.0	129.0	19247.0	75.0	-60.4	99.9	107.1	2.0	-2.0	0.6	444.4	999.9	99.9	95.5	21.0	358.
72.5	141.0	20748.7	50.0	-64.3	99.9	100.3	5.5	-6.4	1.2	515.6	999.9	99.9	95.5	20.3	351.
84.4	155.5	23244.7	25.0	-64.0	99.9	49.1	7.8	-7.8	-0.1	644.3	999.9	99.9	95.5	22.2	335.

BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED
BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 553
 OMAHA, NEBRASKA

 27 MAY 1977
 2005 GMT

184 21. 0

TIME MIN	CNTCT	WEIGHT GPM	PROF MB	TEMP OC C	DEW PT OC C	DIR NG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T MG K	E PCT T MG K	MX RTO GP/KG	RH PCT	RANGE MB	AZ DG
0.0	9.5	400.0	965.0	17.9	16.1	220.0	3.4	2.3	2.0	294.2	325.7	12.1	90.0	0.0	0.
00.0	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	995.9	995.9	595.9
00.0	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	995.9	995.9	999.9
0.3	10.5	407.7	950.0	16.4	99.9	0.0	0.0	0.0	0.0	294.3	999.9	95.9	995.9	0.2	49.
1.2	12.4	773.7	975.0	16.9	10.9	220.4	9.2	5.0	7.0	290.5	320.4	8.9	68.2	0.6	49.
2.2	15.0	940.1	900.0	18.1	10.5	184.6	9.7	1.5	9.6	300.2	324.4	8.9	60.0	1.1	30.
3.0	17.2	1210.0	875.0	16.0	7.7	171.7	10.9	-1.6	10.6	300.4	321.1	7.6	52.6	1.5	26.
7.7	19.4	1455.8	850.0	18.0	6.5	164.5	13.1	-3.1	12.9	300.8	321.2	7.4	62.4	1.9	17.
4.4	21.4	1707.3	825.0	12.1	6.4	165.5	14.8	-3.7	14.3	301.4	321.6	7.3	62.0	2.5	9.
5.2	24.4	1944.2	800.0	9.5	4.7	166.5	15.5	-1.4	15.0	301.3	319.9	6.7	71.6	3.2	4.
6.1	26.4	2227.1	775.0	7.3	2.6	167.6	19.9	-6.3	13.4	301.7	318.4	6.0	71.0	4.2	360.
7.1	29.2	2494.3	750.0	5.4	2.3	172.3	18.4	-2.5	19.4	302.5	319.4	6.1	80.3	5.3	327.
4.3	31.9	2777.4	725.0	3.9	2.2	174.4	19.1	-0.5	19.3	303.6	321.6	6.5	92.0	6.6	257.
7.2	34.4	3044.6	700.0	2.2	1.1	176.0	18.2	-1.3	19.9	304.5	321.7	6.0	92.0	7.7	357.
10.2	37.1	3311.8	675.0	0.4	-0.7	165.4	18.2	-3.7	17.8	306.1	321.5	5.4	92.7	8.8	357.
11.4	39.9	3554.7	650.0	-0.4	-1.4	164.5	19.1	-5.1	19.4	308.4	324.0	5.3	92.7	10.0	355.
12.4	42.6	3748.4	625.0	-1.5	-2.6	165.6	21.2	-5.3	20.5	310.7	325.6	5.1	92.6	11.5	354.
13.7	45.5	4007.4	600.0	-3.1	-4.1	172.1	20.5	-2.9	20.3	312.6	326.5	4.7	92.5	12.9	352.
14.0	49.5	4272.8	575.0	-5.0	-6.1	177.7	21.9	-0.9	21.9	314.2	326.9	4.2	92.1	14.3	354.
15.3	51.4	4476.4	550.0	-6.7	-7.0	178.7	23.7	-0.5	23.7	316.2	327.9	3.9	91.5	16.3	354.
17.0	54.6	4741.1	525.0	-8.9	-10.1	178.1	24.3	-0.8	24.3	317.3	328.3	3.4	90.8	18.4	358.
17.2	57.4	5711.1	500.0	-10.4	-12.3	176.6	23.5	-1.4	23.4	319.4	329.1	3.0	89.7	20.6	355.
20.4	61.0	6100.9	475.0	-13.2	-15.6	176.2	23.4	-1.5	23.4	321.7	329.6	2.5	85.1	22.7	355.
22.2	64.4	6521.7	450.0	-15.3	-17.5	172.9	18.9	-2.4	19.8	324.0	330.9	2.1	83.0	24.6	355.
23.1	67.9	6951.1	425.0	-18.7	-21.2	167.4	20.7	-4.4	20.3	325.1	330.5	1.6	65.6	26.1	355.
25.0	71.1	7400.5	400.0	-22.0	-29.6	167.2	20.7	-4.6	20.2	326.5	329.3	0.9	46.6	27.8	354.
24.4	75.0	7872.4	375.0	-25.4	-32.7	163.2	21.8	-4.1	21.4	328.0	330.3	0.6	50.0	29.5	354.
27.4	79.0	8740.4	350.0	-29.4	-36.2	166.3	22.9	-5.4	22.2	329.2	330.9	0.5	45.4	31.4	354.
29.5	83.0	9494.5	325.0	-33.5	-41.0	163.4	20.5	-5.0	19.6	330.6	331.7	0.3	46.1	33.0	353.
31.4	87.2	9451.7	300.0	-37.8	-45.3	161.5	22.1	-7.0	20.9	332.2	333.0	0.2	44.8	34.4	352.
33.7	91.9	10043.0	275.0	-42.7	-49.9	162.4	22.3	-6.7	21.3	333.4	333.0	0.2	44.8	36.4	352.
34.6	95.6	10481.8	250.0	-47.4	-54.9	161.5	27.2	-9.6	25.8	335.4	335.9	0.9	995.9	38.0	352.
37.5	101.4	11352.9	225.0	-53.1	-59.6	157.9	23.0	-9.7	21.3	337.1	337.1	0.9	995.9	40.6	350.
39.6	107.3	12120.7	200.0	-58.7	-64.9	173.0	24.9	-3.1	24.9	339.9	339.9	0.9	995.9	42.4	350.
42.0	113.0	12940.4	175.0	-63.9	-69.6	174.9	19.8	-1.8	19.7	344.7	344.7	0.9	995.9	44.6	350.
44.4	119.7	13913.4	150.0	-68.1	-74.9	206.1	13.4	5.9	12.1	370.1	370.1	0.9	995.9	46.6	350.
47.5	127.0	14064.8	125.0	-72.0	-79.9	234.4	6.9	5.5	3.9	390.1	390.1	0.9	995.9	48.6	350.
50.9	135.0	14447.7	100.0	-76.3	-84.9	227.9	4.1	6.1	0.2	413.1	413.1	0.9	995.9	50.6	350.
55.6	143.0	14250.0	75.0	-80.5	-89.4	186.7	5.2	0.5	5.1	449.2	449.2	0.9	995.9	52.6	350.
62.5	151.3	20913.4	50.0	-86.2	-94.9	84.9	5.3	-5.3	-0.1	511.0	511.0	0.9	995.9	54.6	350.
73.0	160.3	24275.1	25.0	-91.4	-99.9	103.6	8.4	-9.2	2.0	637.2	637.2	0.9	995.9	56.6	346.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN A AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 654
MURON, SOUTH DAKOTA27 MAY 1977
2100 GMT

TIME MIN	CNTCT	WRIGHT GWS	PRFS MM	TCMO DG C	REF DT DG C	DIZ DG	SPEED W/SEC	U COMP W/SEC	V COMP W/SEC	FOY T DG K	E POT T DG K	MX ATO GM/KG	RH FCY	RANGE KM	AZ DG
0.0	9.7	792.0	554.7	21.1	13.0	180.0	5.1	0.0	5.1	297.8	235.8	14.5	27.0	145	0
37.5	90.0	90.0	1000.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	0
39.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	0
32.2	10.3	471.2	900.0	20.0	90.0	180.0	9.2	1.4	9.1	297.5	331.4	12.9	81.7	0.3	2
0.0	12.7	730.8	525.0	17.8	14.6	180.0	10.3	1.2	10.3	297.5	327.7	11.4	81.9	0.3	5
1.7	14.2	730.8	900.0	14.4	12.2	180.0	11.5	0.5	11.5	298.4	325.1	10.0	78.1	1.0	5
3.4	17.4	1178.7	900.0	14.6	10.2	178.2	12.7	-0.4	12.7	299.0	323.2	5.0	74.6	1.6	3
3.1	19.4	1410.6	250.0	12.9	4.8	176.9	12.3	-0.7	12.6	299.4	322.5	2.4	72.5	2.1	2
3.4	22.1	1470.9	250.0	11.4	6.5	174.1	12.3	-0.4	12.0	300.9	321.2	7.4	70.7	2.6	1
4.5	24.7	1327.3	900.0	9.9	5.1	173.9	12.3	-0.2	12.4	301.8	320.9	6.6	71.7	3.2	1
3.9	27.0	1000.7	750.0	4.0	4.0	172.4	13.2	-1.7	13.1	302.4	320.2	6.0	75.7	3.8	2
4.0	29.7	2451.0	750.0	6.1	2.4	171.4	13.3	-1.4	12.5	303.2	320.2	6.1	77.1	4.3	3
4.3	32.4	2778.1	750.0	3.4	1.9	169.7	13.3	0.7	10.4	303.4	320.6	6.1	82.9	4.9	3
7.7	35.1	772.7	700.0	2.1	1.0	157.1	10.7	3.2	10.2	304.2	321.5	5.9	92.7	5.4	3
7.2	37.4	772.7	700.0	0.2	-0.5	212.9	10.2	5.6	9.6	305.9	321.6	5.5	94.9	5.9	2
3.5	63.3	7618.0	600.0	-1.4	-2.8	238.1	11.1	7.7	7.5	307.4	321.5	4.9	95.9	6.4	5
10.4	47.1	7618.0	600.0	-1.7	-3.7	238.1	11.1	9.1	7.5	308.4	321.5	4.3	95.9	6.9	9
11.5	44.1	802.8	700.0	-4.4	-4.1	225.0	12.3	4.5	9.5	310.8	321.2	3.5	75.7	7.4	12
12.1	49.1	733.7	700.0	-4.4	-4.7	237.2	11.5	5.1	10.2	312.3	322.7	3.5	84.6	8.0	15
13.4	52.3	6073.9	750.0	-0.0	-0.0	185.5	10.1	1.0	10.1	313.4	323.7	2.4	56.7	8.6	15
14.5	55.1	8097.2	550.0	-0.3	-10.2	177.4	13.4	-0.6	13.4	316.5	326.9	2.4	52.0	9.2	12
14.0	54.1	8040.1	500.0	-11.9	-11.3	174.2	15.9	-1.6	15.7	319.6	327.0	2.0	96.7	10.2	12
14.0	61.4	6040.1	475.0	-13.7	-16.7	174.3	17.3	-1.7	14.5	319.8	325.7	2.2	64.7	11.3	16
17.0	63.8	6040.1	450.0	-14.4	-20.6	173.0	24.5	-3.0	24.4	322.4	327.7	1.6	68.9	12.7	8
19.4	69.0	6052.6	425.0	-13.7	-23.7	171.1	29.4	-4.4	29.1	324.4	328.8	1.3	67.3	14.4	6
20.1	71.4	7483.0	400.0	-13.7	-24.8	171.7	30.4	-4.6	30.0	325.5	329.7	1.3	62.4	16.6	4
20.7	74.3	7483.0	375.0	-13.7	-27.5	168.4	29.9	-5.9	29.3	327.5	329.8	0.7	53.0	18.3	3
24.1	82.4	8170.8	350.0	-25.4	-34.0	165.4	29.1	-7.4	30.7	330.2	331.4	0.3	53.0	21.1	1
25.4	86.4	8170.8	325.0	-23.1	-34.4	165.6	31.1	-7.7	30.1	331.7	332.5	0.2	45.0	23.7	350
27.5	91.4	8088.4	275.0	-24.3	-38.4	162.2	37.6	-10.3	32.0	332.5	334.9	90.9	95.9	26.9	350
28.0	93.3	10114.7	250.0	-27.9	-42.6	159.4	35.7	-12.7	32.3	335.0	336.9	90.9	90.9	33.5	350
31.7	100.7	11104.3	225.0	-53.4	-50.0	150.4	33.4	-11.4	31.9	337.9	338.9	90.9	95.9	37.7	350
32.1	104.0	17952.7	200.0	-59.1	-59.9	147.4	32.7	-11.4	31.2	339.9	340.0	90.9	90.9	41.2	350
34.4	111.4	12882.8	175.0	-64.4	-60.9	143.4	24.1	-4.8	21.6	352.8	355.9	55.6	95.9	45.4	351
39.5	117.9	12882.8	150.0	-66.0	-65.6	143.1	17.3	0.9	17.3	353.6	355.9	90.9	95.9	49.0	351
41.7	124.4	15033.4	125.0	-65.7	-69.6	142.5	8.9	1.9	9.7	353.0	359.9	90.9	95.9	51.3	352
45.4	132.3	14424.2	100.0	-54.4	-69.9	141.7	6.5	0.2	6.5	418.0	359.9	55.9	95.9	52.1	352
41.0	140.0	14774.8	75.0	-60.5	-65.4	136.7	5.0	-2.4	3.6	448.1	359.9	59.9	95.9	52.8	352
43.1	144.3	90737.0	50.0	-65.9	-69.9	99.3	05.9	60.0	96.9	511.6	359.9	55.9	95.9	55.4	351
39.0	99.3	90.0	25.0	60.7	90.5	90.3	63.9	60.9	90.9	90.9	90.9	90.9	95.9	95.9	590

BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 BY TEMP MEANS TEMPERATURE OR TEMP HAVE BEEN INTERPOLATED
 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 11601
 MARSHALL SFC, ALABAMA

 27 MAY 1977
 2047 GMT

TIME MIN	CUTCY	WEIGHT GPM	POPS MP	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DEG K	E POT Y DEG K	MX RTO GPM/G	RM PCT	RANGE KM	AZ DEG
0.0	5.5	100.0	999.1	25.8	19.4	50.0	3.1	-2.0	-2.0	299.9	338.1	14.6	88.0	0.0	0.0
09.0	99.0	1000.0	1000.0	49.9	49.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
7.0	7.7	204.1	575.0	27.2	16.5	999.0	999.9	99.9	99.9	299.5	331.0	12.2	66.0	999.9	999.9
1.4	0.9	732.4	999.0	21.2	15.2	999.0	999.0	99.9	99.9	299.9	330.4	11.0	70.3	999.9	999.9
2.0	11.0	732.9	999.0	18.7	13.0	999.0	999.0	99.9	99.9	299.4	325.8	10.3	85.4	0.0	260.0
3.3	13.7	999.1	999.0	17.4	11.1	100.0	2.0	-2.7	0.0	299.5	324.5	9.3	66.3	0.0	272.0
4.0	15.0	1270.0	999.0	16.1	10.5	102.6	2.1	-2.0	0.4	300.0	325.5	9.2	65.2	0.0	276.0
4.2	17.0	1440.0	999.0	14.2	9.6	66.9	1.3	-1.2	-0.4	301.1	325.3	8.9	73.8	0.0	278.0
6.2	20.0	1771.0	999.0	12.4	9.2	351.3	0.9	0.1	-0.9	301.9	324.8	8.4	71.0	0.0	273.0
7.1	22.1	1990.0	999.0	10.5	7.3	5.1	1.2	-0.1	-1.7	302.3	323.5	8.1	72.7	0.0	268.0
9.4	24.4	2250.0	999.0	9.2	5.2	27.4	2.2	-1.0	-1.9	303.7	323.7	7.2	75.0	0.0	261.0
9.6	26.3	2510.0	999.0	8.0	3.2	35.8	2.3	-1.3	-1.9	305.2	323.5	6.8	71.0	1.0	250.0
10.4	29.4	2402.0	999.0	6.3	1.2	34.0	1.3	-1.1	-1.5	306.4	323.2	5.9	71.4	1.1	181.0
11.0	30.0	2004.7	999.0	4.1	-0.1	46.2	0.0	-0.6	-0.5	307.0	322.6	5.4	73.9	1.2	209.0
12.5	33.2	3722.0	999.0	2.0	-0.2	53.4	0.9	-0.7	-0.9	307.5	322.0	5.6	65.2	1.2	240.0
13.7	35.5	4004.4	999.0	0.0	-4.4	65.5	2.1	-1.9	-0.9	309.5	322.0	4.2	65.5	1.3	247.0
14.9	37.9	4013.2	999.0	-1.4	-6.0	97.2	4.3	-4.3	0.5	310.7	321.8	3.7	60.0	1.5	249.0
15.1	40.4	4274.1	999.0	-2.1	-11.5	91.2	5.6	-6.6	0.1	313.7	321.8	2.4	48.5	1.6	246.0
17.0	43.0	4477.1	999.0	-2.9	-14.4	75.5	6.7	-9.4	-2.0	316.6	322.5	1.3	34.4	2.4	257.0
19.7	45.3	5021.0	999.0	-5.6	-21.0	77.1	9.3	-9.1	-2.1	317.4	321.6	1.3	26.5	3.2	257.0
20.2	45.2	5377.2	999.0	-7.3	-23.1	84.9	5.3	-5.3	-0.5	319.7	323.5	1.1	26.0	3.9	257.0
21.5	50.0	5765.1	999.0	-9.5	-24.4	81.4	4.7	-4.6	-0.7	321.4	324.4	0.9	23.6	4.3	250.0
23.2	53.0	6140.0	999.0	-12.3	-24.7	65.2	3.9	-3.6	-1.6	322.7	325.3	0.7	24.6	4.7	250.0
24.7	56.4	4570.7	999.0	-15.3	-30.6	76.5	3.4	-3.3	-0.7	324.0	326.2	0.7	25.6	5.0	257.0
26.3	59.4	7000.0	999.0	-18.4	-33.3	73.3	2.2	-2.1	-0.6	325.4	327.3	0.5	25.6	5.3	257.0
29.0	62.4	7409.2	999.0	-22.2	-35.3	3.9	2.6	-0.2	-2.6	326.2	327.8	0.5	22.6	5.4	250.0
29.4	65.4	7920.2	999.0	-25.5	-38.3	34.1	3.4	1.6	-3.5	326.5	327.8	0.4	31.0	5.4	252.0
31.0	68.4	4412.7	999.0	-31.3	-41.0	353.7	3.0	3.3	-3.0	327.0	328.0	0.3	22.1	5.4	240.0
33.3	72.1	5070.0	999.0	-35.0	-46.6	40.2	1.5	-1.1	-1.0	327.3	328.0	0.2	31.6	5.5	246.0
35.5	75.0	4444.2	999.0	-40.5	-50.9	149.3	1.7	-0.3	1.6	328.3	329.9	0.5	95.9	5.5	247.0
37.5	79.5	10071.4	999.0	-44.9	-54.9	153.0	3.4	-1.5	3.0	328.9	329.9	0.5	95.9	5.5	250.0
39.4	81.5	10699.3	999.0	-51.7	-59.7	175.3	1.6	-0.3	3.0	329.2	329.9	0.5	95.9	5.5	255.0
42.0	87.5	11379.7	999.0	-57.2	-69.0	215.5	3.3	1.9	2.7	330.9	330.9	0.5	95.9	5.5	259.0
44.4	92.0	19100.2	999.0	-61.0	-71.0	238.7	2.1	1.0	1.1	334.9	334.9	0.5	95.9	5.5	261.0
47.0	95.0	12070.0	999.0	-62.1	-70.0	266.4	5.7	4.7	0.6	347.1	347.1	0.5	95.9	5.5	261.0
50.0	102.0	14441.2	999.0	-63.7	-69.0	101.4	8.0	7.6	-4.6	360.3	360.3	0.5	95.9	5.5	263.0
54.5	108.0	15005.1	999.0	-63.2	-69.9	307.6	4.9	3.0	-3.0	392.6	392.6	0.5	95.9	5.5	267.0
59.1	114.7	14290.2	999.0	-60.1	-60.9	295.0	4.4	4.3	-2.1	411.6	411.6	0.5	95.9	5.5	263.0
64.0	121.0	19164.1	999.0	-53.9	-55.4	4.2	4.2	-0.3	-4.2	440.9	440.9	0.5	95.9	5.5	266.0
71.0	130.0	19711.0	999.0	-56.0	-59.0	999.0	99.9	99.9	99.9	511.5	511.5	0.5	95.9	999.0	999.0
90.0	99.0	99.0	25.0	50.0	99.0	99.0	99.0	99.0	99.0	99.0	999.0	99.0	95.0	999.0	95.0

 * BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 * BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

27 May 1977

2300 GMT

STATION NO. 239
CENTERVILLE, ALABAMA

27 MAY 1977
2320 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

100 10. 1

TIME MIN	CNTCY	HEIGHT GM	PPES MG	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	MR WTD GM/MS	RH PCT	RANGE NM	AZ DG
0.0	7.0	100.0	902.0	25.4	20.1	50.0	1.5	-1.1	-1.0	299.4	330.7	15.2	71.0	0.0	0.
0.5	99.9	99.9	1000.0	99.9	94.9	99.0	99.9	97.9	99.9	99.9	999.9	99.9	99.9	99.9	999.9
1.0	9.0	203.4	975.0	24.5	18.4	144.0	1.9	0.2	1.9	299.9	336.4	13.0	68.9	0.2	250.
1.5	10.9	519.8	950.0	22.5	17.3	116.2	2.9	-2.6	1.3	300.0	335.2	13.2	72.8	0.2	200.
2.0	13.1	751.5	925.0	20.3	16.8	98.4	3.0	-3.9	0.6	300.0	335.0	13.2	80.4	0.4	270.
2.5	15.4	945.1	900.0	19.5	15.9	94.4	3.1	-3.1	0.2	300.0	333.7	12.4	82.8	0.6	270.
3.0	17.8	1229.0	875.0	16.9	13.1	45.2	1.4	-1.3	-1.3	301.2	330.7	11.0	76.3	0.8	270.
3.5	20.3	1476.4	850.0	15.1	12.0	347.9	2.4	0.5	-2.4	302.0	330.3	10.4	81.4	0.4	260.
4.0	22.6	1720.4	825.0	12.8	11.0	378.3	3.0	1.1	-2.7	302.2	325.6	10.1	88.8	0.7	250.
4.5	25.2	1957.8	800.0	11.0	9.0	264.6	3.3	1.8	-2.8	302.9	327.7	9.1	87.7	0.7	240.
5.0	27.9	2233.9	775.0	9.3	7.7	316.6	4.2	2.9	-3.0	303.9	327.9	8.6	85.8	0.7	230.
5.5	30.2	2526.4	750.0	7.7	5.5	308.0	4.9	3.4	-3.0	305.0	326.2	7.6	82.9	0.7	220.
6.0	32.0	2804.2	725.0	6.1	5.1	300.5	4.7	4.9	-2.9	306.2	327.6	7.6	92.0	0.8	180.
6.5	35.5	3001.4	700.0	4.6	2.9	289.8	5.2	5.9	-2.1	307.5	326.8	6.8	85.1	1.0	160.
7.0	38.3	3287.8	675.0	2.4	1.6	247.2	5.2	5.1	-1.1	308.8	327.2	6.4	91.7	1.2	150.
7.5	40.9	3492.9	650.0	0.5	-0.1	247.2	4.5	4.4	-1.4	309.7	326.7	5.9	98.0	1.5	140.
8.0	43.8	4007.4	625.0	-1.1	-1.8	291.4	5.3	4.9	-2.1	311.2	327.0	5.4	94.2	1.8	130.
8.5	46.5	4375.7	600.0	-3.1	-3.9	299.9	5.6	4.9	-2.6	312.5	326.7	4.4	96.5	2.1	130.
9.0	49.4	4665.1	575.0	-4.5	-5.6	303.6	5.9	4.9	-3.3	314.3	327.5	4.4	94.4	2.5	131.
9.5	52.6	5014.9	550.0	-5.9	-6.6	302.7	7.8	6.5	-4.2	317.1	330.0	4.3	94.5	3.0	120.
10.0	55.4	5387.1	525.0	-8.1	-9.5	312.7	9.4	6.2	-5.7	319.4	329.3	3.6	91.5	3.7	120.
10.5	58.3	5745.9	500.0	-12.1	-12.7	326.8	7.0	3.9	-5.9	319.3	328.0	0.5	16.1	4.4	131.
11.0	62.1	6149.3	475.0	-14.4	-14.9	339.4	4.6	1.6	-2.4	320.1	328.8	0.2	6.0	4.8	133.
11.5	65.4	6445.4	450.0	-15.3	-15.7	354.1	2.4	0.2	-2.4	324.0	325.1	0.3	11.4	5.1	134.
12.0	68.9	6745.4	425.0	-18.1	-18.1	354.1	7.5	-0.2	-1.4	325.4	327.4	0.4	30.8	5.8	136.
12.5	72.3	7048.6	400.0	-21.4	-21.4	34.6	1.9	-1.1	-1.6	327.1	326.0	0.5	30.3	5.3	137.
13.0	74.1	7410.4	375.0	-25.9	-26.7	29.0	1.2	-0.6	-1.1	327.3	326.8	0.4	30.3	5.3	139.
13.5	76.9	7710.4	350.0	-29.8	-29.1	340.4	1.0	0.4	-1.0	328.6	328.9	0.4	30.0	5.3	140.
14.0	79.0	8010.4	325.0	-34.4	-34.4	105.3	3.4	2.4	-2.0	329.1	330.2	0.4	32.5	5.8	140.
14.5	81.0	8310.4	300.0	-39.5	-39.5	284.5	5.8	5.5	-1.4	329.8	329.8	99.9	95.9	6.1	137.
15.0	83.5	8610.4	275.0	-43.4	-43.4	259.0	4.4	4.3	0.9	332.3	329.8	99.9	99.9	6.6	134.
15.5	86.0	8910.4	250.0	-47.5	-47.5	247.8	6.9	6.4	2.6	334.0	329.8	99.9	95.9	6.9	127.
16.0	88.5	9210.4	225.0	-51.4	-51.4	257.4	4.3	4.2	1.8	335.1	329.8	99.9	95.9	7.9	120.
16.5	91.0	9510.4	200.0	-55.4	-55.4	282.5	9.4	4.9	2.8	336.5	329.8	99.9	95.9	9.1	111.
17.0	93.5	9810.4	175.0	-59.5	-59.5	289.1	11.0	10.4	-3.6	343.5	329.8	99.9	95.9	11.2	107.
17.5	96.0	10110.4	150.0	-63.5	-63.5	267.5	9.7	9.2	-2.9	362.4	329.8	99.9	95.9	13.4	109.
18.0	98.5	10410.4	125.0	-67.5	-67.5	299.5	8.5	8.0	-2.6	360.8	329.8	99.9	95.9	16.2	108.
18.5	101.0	10710.4	100.0	-71.5	-71.5	300.9	4.3	6.4	-5.3	401.7	329.8	99.9	95.9	19.2	110.
19.0	103.5	11010.4	75.0	-75.5	-75.5	1.4	5.1	-0.3	-5.3	433.5	329.8	99.9	95.9	22.4	114.
19.5	106.0	11310.4	50.0	-79.5	-79.5	71.1	5.0	-4.7	-1.6	504.6	329.8	99.9	95.9	26.7	121.
20.0	108.5	11610.4	25.0	-83.5	-83.5	124.1	5.5	-4.6	1.1	638.8	329.8	99.9	95.9	31.0	120.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 235
JACKSON, MISSISSIPPI

27 MAY 1977
2300 GMT

TIME MIN	CNTCT	HEIGHT GPM	POSS MR	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTD GPM/G	RM PCT	RANGE KM	AZ DG
3.0	6.3	130.0	995.2	30.2	18.0	300.0	4.2	3.6	-2.1	303.8	339.4	13.2	40.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
0.5	4.1	292.8	975.0	27.6	17.4	292.1	6.7	5.2	-2.5	303.0	337.9	12.9	52.6	0.2	116.
1.5	10.7	512.5	950.0	25.8	16.6	297.9	5.9	5.6	-1.8	303.4	337.6	12.7	57.1	0.5	112.
2.5	13.1	746.4	925.0	23.5	15.4	296.8	4.0	5.7	-1.7	303.3	337.5	12.0	57.1	0.5	112.
3.3	15.6	995.6	900.0	20.9	14.6	297.0	5.5	5.6	-1.7	303.1	337.4	11.7	67.1	1.2	109.
4.0	18.0	1227.2	875.0	17.0	14.4	297.1	4.7	4.4	-1.6	303.5	335.8	11.9	74.3	1.4	105.
5.1	20.5	1479.1	850.0	15.4	14.0	297.1	4.7	4.2	-2.1	303.7	336.1	11.9	82.6	1.7	110.
6.0	23.1	1732.1	825.0	14.5	12.9	302.8	4.6	3.4	-2.5	303.9	335.1	11.5	90.6	1.9	111.
7.0	25.4	1972.5	800.0	12.9	10.9	312.0	5.2	3.9	-3.4	304.9	332.1	10.3	96.8	2.2	113.
7.9	29.1	2259.9	775.0	11.0	9.4	326.3	5.7	3.2	-4.8	305.7	331.4	9.3	86.5	2.5	116.
9.4	31.0	2572.0	750.0	8.8	6.3	343.2	6.9	2.0	-5.6	305.2	328.6	8.0	84.2	2.9	123.
12.1	33.4	2813.3	725.0	9.9	-6.6	344.3	8.5	2.3	-8.2	310.3	319.8	3.2	20.1	3.9	125.
13.1	35.6	3103.1	700.0	7.1	-10.2	348.0	10.3	2.8	-9.9	310.4	319.9	3.2	35.3	4.4	138.
13.9	39.5	3491.4	675.0	4.8	-2.0	345.1	9.7	2.5	-9.3	311.1	325.5	4.9	51.2	4.8	141.
14.9	42.3	3709.7	650.0	3.0	-9.8	336.6	9.4	3.9	-7.0	313.4	321.9	2.8	36.0	5.4	143.
15.4	45.2	4027.2	625.0	2.5	-12.2	325.9	11.6	6.5	-9.6	315.4	322.4	2.2	30.1	6.0	144.
15.9	48.4	4356.3	600.0	0.5	-10.1	318.1	12.1	9.0	-9.0	315.7	325.9	2.0	44.8	6.7	144.
19.2	51.4	4695.7	575.0	-2.5	-11.1	308.2	12.2	9.9	-7.2	317.4	326.2	2.8	50.3	7.6	142.
19.5	54.6	5047.9	550.0	-4.9	-12.2	301.2	14.1	12.0	-7.3	318.3	326.8	2.7	55.7	8.6	140.
20.9	57.7	5411.9	525.0	-7.4	-13.9	300.2	12.8	11.0	-6.4	319.0	326.8	2.5	61.6	9.6	138.
22.2	61.1	5790.0	500.0	-10.4	-16.5	301.1	11.5	7.1	-5.3	320.4	327.1	2.1	60.7	10.4	136.
23.6	64.4	6181.7	475.0	-12.4	-18.6	311.8	9.5	7.1	-6.3	322.6	328.2	1.7	54.8	11.5	135.
25.0	67.0	6594.2	450.0	-15.9	-23.2	317.0	6.4	4.7	-4.4	323.2	327.6	1.3	53.4	12.2	135.
26.7	71.4	7027.4	425.0	-19.9	-25.6	317.9	4.1	2.7	-3.0	324.7	328.5	1.1	55.5	12.6	135.
29.1	75.2	7471.7	400.0	-22.3	-24.3	284.7	3.2	3.1	-0.8	324.0	329.1	0.9	57.9	13.0	135.
29.9	78.2	7842.3	375.0	-26.0	-29.9	259.4	4.5	4.5	0.9	327.2	330.1	0.8	55.4	13.2	134.
31.7	81.0	8186.7	350.0	-29.4	-34.1	238.4	5.7	4.8	3.1	329.2	331.3	0.6	52.9	13.4	132.
33.5	87.0	8593.1	325.0	-33.9	-38.4	218.6	5.1	3.8	4.8	330.0	331.4	0.4	61.1	13.5	129.
35.9	91.5	9119.2	300.0	-38.5	-43.4	220.7	5.7	3.7	4.3	331.2	332.2	0.2	55.0	13.5	128.
37.4	94.0	9510.4	275.0	-43.4	-49.5	210.5	4.8	2.5	4.1	332.3	333.5	99.9	95.9	13.5	123.
39.8	100.8	10748.3	250.0	-49.2	-50.9	171.9	3.5	-0.5	3.4	334.5	339.9	99.9	95.9	13.3	121.
42.3	106.0	11431.1	225.0	-53.0	-56.7	142.7	6.2	0.3	5.2	337.4	349.9	99.9	95.9	12.9	115.
45.1	111.4	12193.3	200.0	-56.7	-61.4	245.9	8.5	7.8	3.5	343.0	349.9	99.9	95.9	12.9	114.
47.1	117.3	13021.2	175.0	-61.4	-66.3	275.7	6.4	6.4	-0.6	348.5	349.9	99.9	95.9	14.4	112.
51.5	124.0	14074.5	150.0	-60.3	-69.5	245.8	10.9	10.9	0.0	366.2	349.9	99.9	95.9	15.5	105.
55.6	130.8	15094.4	125.0	-63.5	-69.9	300.4	9.6	9.3	-4.9	366.2	349.9	99.9	95.9	18.5	108.
58.2	136.3	16471.4	100.0	-62.8	-69.9	271.4	5.1	6.1	-0.1	400.5	349.9	99.9	95.9	20.0	109.
61.2	145.9	18225.9	75.0	-64.9	-69.5	351.4	5.2	0.6	-5.1	436.0	349.9	99.9	95.9	21.7	109.
74.4	154.0	20777.4	50.0	-68.0	-69.9	66.7	4.1	-3.4	-1.6	504.9	349.9	99.9	95.9	21.1	114.
97.2	162.3	25000.7	25.0	-69.8	-69.5	144.4	3.1	-1.7	2.6	633.2	349.9	99.9	95.9	19.5	117.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OP TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 240
 LAKE CHARLES, LOUISIANA

 27 MAY 1977
 2300 GMT

TIME MIN	CNTCY	HEIGHT GOM	POES WH	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	PK RTO GW/KG	EM PCT	RANGE KM	AZ DG
0.0	9.2	9.0	100.0	29.4	21.6	200.0	6.2	2.1	5.8	301.9	345.4	16.4	63.0	0.0	0.
1.2	5.7	74.4	100.0	29.0	21.9	212.1	7.1	3.9	9.0	302.0	346.8	16.9	66.3	0.2	17.
2.2	7.9	201.6	97.3	26.5	20.3	226.7	6.9	9.0	4.7	301.9	347.7	15.3	67.4	0.6	33.
3.2	10.0	470.0	65.0	24.7	18.5	243.0	4.7	9.1	2.5	302.3	348.5	14.3	68.4	0.9	41.
4.2	12.0	744.8	92.3	22.6	17.5	258.7	5.7	5.5	1.1	302.5	349.4	13.0	72.9	1.2	48.
5.2	14.3	1007.3	90.0	20.7	16.3	293.7	5.2	5.1	-1.2	302.9	350.1	12.1	75.8	1.5	56.
6.2	14.3	1244.7	87.0	18.9	14.8	311.2	5.5	4.1	-3.6	303.4	350.5	11.2	77.2	1.7	67.
7.2	14.6	1485.4	83.0	15.7	11.9	324.2	5.9	3.1	-5.1	303.6	350.8	10.8	83.5	1.8	79.
8.2	20.8	1740.9	72.0	15.1	11.9	349.4	6.3	1.7	-6.0	304.5	353.7	10.6	86.5	2.0	90.
9.2	23.2	2010.2	60.0	12.4	10.1	349.4	6.3	1.2	-6.9	304.8	351.7	9.8	83.8	2.1	100.
10.2	25.7	2224.9	77.0	11.4	5.4	345.6	7.7	0.5	-7.7	306.3	326.9	7.3	66.1	2.3	111.
11.2	27.0	2511.2	75.0	12.1	-4.5	2.3	7.7	-0.3	-7.7	303.7	320.6	2.7	31.0	2.4	121.
12.2	30.5	2824.1	70.0	10.0	-9.5	2.0	6.6	-0.2	-6.6	310.4	319.2	2.6	24.1	2.7	130.
13.2	35.4	3438.5	47.0	7.4	-4.0	345.7	5.5	1.7	-6.3	312.3	324.5	4.1	35.6	3.0	136.
14.2	40.5	4033.4	63.0	5.1	-4.1	317.0	4.4	9.9	-5.5	314.3	324.9	3.2	37.8	4.1	135.
15.2	43.2	4291.7	60.0	2.0	-4.1	314.0	10.0	7.3	-5.0	314.9	324.9	3.3	47.2	4.8	136.
16.2	46.1	4710.7	75.0	-0.9	-15.0	311.4	11.4	6.4	-7.0	315.2	321.0	1.8	30.5	5.7	137.
17.2	48.1	4710.7	75.0	-3.7	-13.0	310.3	12.1	9.9	-7.4	315.4	320.1	1.5	26.8	6.6	136.
18.2	49.1	5044.0	50.0	-7.4	-10.2	306.0	15.1	12.4	-13.0	315.4	320.2	1.5	27.5	7.6	136.
19.2	51.3	5435.6	53.0	-10.3	-3.4	307.5	15.1	14.4	-11.2	320.5	319.4	0.3	8.0	9.0	136.
20.2	54.0	5753.0	37.0	-12.4	-50.6	315.4	15.2	10.7	-13.2	322.6	323.1	0.1	2.4	10.5	133.
21.2	56.3	6137.0	40.0	-15.7	-41.0	325.6	14.0	9.1	-13.2	323.6	323.1	0.1	2.8	11.7	133.
22.2	59.7	7035.4	43.0	-20.0	-43.4	324.1	13.0	10.5	-15.7	323.6	323.1	0.1	2.8	14.6	131.
23.2	64.0	7432.2	40.0	-23.7	-43.3	321.4	21.7	13.5	-17.0	324.2	324.5	0.1	7.0	17.0	137.
24.2	71.3	7935.4	37.0	-27.4	-52.3	317.4	21.2	15.4	-16.0	324.2	325.1	0.1	7.6	19.5	137.
25.2	74.1	8143.0	35.0	-31.6	-54.5	314.4	24.1	17.3	-17.1	326.1	326.4	0.1	8.3	22.0	136.
26.2	73.1	8241.8	37.0	-26.0	-65.9	319.0	26.1	15.4	-20.0	327.0	327.3	0.1	10.9	25.0	136.
27.2	77.1	8517.4	30.0	-30.5	93.5	325.7	27.1	15.3	-22.4	329.7	950.9	99.9	955.6	28.4	137.
28.2	87.5	10134.4	27.0	-43.0	60.9	324.7	24.3	15.4	-21.5	332.9	950.9	99.9	955.6	32.0	138.
29.2	92.5	10741.6	25.0	-44.4	57.5	314.1	30.2	21.7	-21.0	336.4	950.9	99.9	955.6	36.0	136.
30.2	97.0	11337.0	23.0	-50.4	69.9	310.5	31.4	23.4	-20.4	340.9	950.9	99.9	955.6	40.5	138.
31.2	102.2	12107.0	20.0	-55.4	90.9	304.2	25.7	23.7	-16.1	344.7	950.9	99.9	955.6	45.3	136.
32.2	104.0	12937.7	17.0	-58.2	94.5	307.0	24.5	19.3	-15.0	353.9	950.9	99.9	955.6	50.3	136.
33.2	114.0	14002.4	15.0	-50.4	97.9	304.1	24.0	21.6	-14.6	365.4	950.9	99.9	955.6	55.3	135.
34.2	124.1	14122.4	12.0	-44.3	66.9	309.9	14.3	14.2	-11.4	378.5	950.9	99.9	955.6	60.7	134.
35.2	124.1	14485.6	10.0	-65.0	96.9	326.9	9.1	4.5	-5.9	400.4	950.9	99.9	955.6	66.6	134.
36.2	134.7	14275.2	7.0	-64.7	99.9	321.5	3.9	2.4	-3.1	437.4	950.9	99.9	955.6	73.6	135.
37.2	144.0	20733.4	5.0	-57.7	56.5	349.7	4.3	0.9	-4.4	507.4	950.9	99.9	955.6	83.2	136.
38.2	152.4	25247.9	2.0	-69.0	60.9	339.0	99.9	99.9	99.0	644.7	950.9	99.9	955.6	93.4	136.

 * BY SPEED MEANS ELEVATION ANGLE BETWEEN A AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 247
LONGVIEW, TEXAS

TIME MIN	CNTCT	HFIGHT GSM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.1	124.0	991.3	31.7	18.3	120.0	2.1	-1.8	1.0	305.4	342.1	13.5	45.0	0.0	0.
0.5	99.9	99.9	1000.0	29.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.0	9.0	200.5	675.0	29.0	17.3	99.9	99.9	99.9	99.9	304.4	339.4	12.9	49.2	999.9	999.9
1.5	11.2	521.6	450.0	27.2	17.5	99.9	99.9	99.9	99.9	304.4	339.4	13.4	55.4	999.9	999.9
1.9	13.4	757.2	225.0	24.7	16.2	99.9	99.9	99.9	99.9	304.6	339.3	12.0	55.4	999.9	999.9
2.4	15.8	997.2	900.0	22.4	15.3	99.9	99.9	99.9	99.9	305.0	338.5	12.3	55.4	999.9	999.9
3.2	18.3	1242.0	875.0	20.3	14.2	99.9	99.9	99.9	99.9	305.0	338.5	12.3	55.4	999.9	999.9
4.1	20.7	1497.0	850.0	18.2	13.5	99.9	99.9	99.9	99.9	305.2	337.0	11.9	55.4	999.9	999.9
5.0	23.2	1747.3	825.0	15.5	13.2	226.5	4.3	3.2	3.0	305.2	336.8	11.5	55.4	999.9	999.9
5.7	25.7	2008.2	800.0	13.3	11.5	220.3	4.1	2.7	3.1	305.2	336.8	11.5	55.4	999.9	999.9
6.5	28.3	2275.4	775.0	11.2	9.6	222.3	3.6	2.5	2.7	305.2	336.8	11.5	55.4	999.9	999.9
7.5	31.0	2540.5	750.0	11.0	1.9	223.0	3.6	2.5	2.7	305.2	336.8	11.5	55.4	999.9	999.9
8.4	33.8	2812.1	725.0	9.9	-2.1	259.9	4.3	4.2	4.2	305.2	336.8	11.5	55.4	999.9	999.9
9.5	36.3	3124.3	700.0	9.1	-3.4	270.6	7.5	7.5	0.4	310.3	325.4	9.4	55.4	999.9	999.9
10.4	39.1	3437.7	675.0	7.2	-5.0	282.8	7.5	7.5	-0.1	312.6	325.3	4.3	55.4	999.9	999.9
11.5	41.8	3757.0	650.0	4.4	-7.8	290.5	11.6	10.2	-0.1	313.4	325.3	3.9	55.4	999.9	999.9
12.4	44.8	4081.2	625.0	1.6	-10.3	302.2	11.4	11.4	-0.1	314.2	325.3	3.9	55.4	999.9	999.9
13.9	47.8	4394.8	600.0	-1.4	-12.0	308.0	14.8	12.5	-0.5	314.5	325.3	3.6	55.4	999.9	999.9
14.2	50.7	4714.3	575.0	-4.5	-10.0	308.0	15.7	13.0	-0.5	314.5	325.3	3.6	55.4	999.9	999.9
15.2	53.9	5044.7	550.0	-7.0	-12.2	307.1	16.2	12.3	-0.8	314.8	324.3	3.2	55.4	999.9	999.9
16.5	56.9	5445.0	525.0	-9.6	-14.6	308.0	15.4	13.1	-0.8	315.8	319.9	3.1	55.4	999.9	999.9
17.9	59.0	5801.4	500.0	-11.4	-16.1	305.1	14.2	11.6	-0.8	316.9	319.2	0.7	55.4	999.9	999.9
19.0	62.0	6197.9	475.0	-13.2	-18.5	316.1	13.6	9.4	-0.9	319.2	320.8	0.5	55.4	999.9	999.9
20.2	63.4	6603.7	450.0	-16.4	-20.2	325.8	9.4	9.4	-0.9	321.7	323.2	0.4	55.4	999.9	999.9
21.6	66.7	7000.1	425.0	-20.2	-22.5	318.4	21.4	14.2	-1.3	322.6	323.2	0.4	55.4	999.9	999.9
23.1	70.3	7400.1	400.0	-22.5	-24.1	309.7	26.1	20.1	-1.6	323.1	324.2	0.3	55.4	999.9	999.9
24.9	74.0	7845.8	375.0	-26.4	-26.4	312.0	27.1	20.1	-1.6	323.1	324.2	0.3	55.4	999.9	999.9
25.4	77.8	8245.8	350.0	-28.5	-28.5	312.0	27.1	20.1	-1.6	323.1	324.2	0.3	55.4	999.9	999.9
26.2	81.5	8645.7	325.0	-30.1	-30.1	315.9	26.3	18.3	-1.6	326.7	327.4	0.2	55.4	999.9	999.9
28.0	85.6	9045.4	300.0	-32.4	-32.4	320.7	30.9	16.4	-1.6	328.1	328.7	0.1	55.4	999.9	999.9
30.0	90.0	9519.4	275.0	-34.4	-34.4	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
32.7	94.0	10113.2	250.0	-36.4	-36.4	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
34.0	96.5	10744.4	225.0	-38.4	-38.4	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
35.3	99.4	11374.9	200.0	-40.5	-40.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
36.7	102.4	12000.4	175.0	-42.5	-42.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
38.5	105.4	12625.4	150.0	-44.5	-44.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
40.5	108.4	13250.4	125.0	-46.5	-46.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
42.2	112.3	13875.4	100.0	-48.5	-48.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
44.2	115.3	14500.4	75.0	-50.5	-50.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
46.2	118.3	15125.4	50.0	-52.5	-52.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
48.2	121.3	15750.4	25.0	-54.5	-54.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
50.2	124.3	16375.4	0.0	-56.5	-56.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
52.2	127.3	17000.4	0.0	-58.5	-58.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
54.2	130.3	17625.4	0.0	-60.5	-60.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
56.2	133.3	18250.4	0.0	-62.5	-62.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
58.2	136.3	18875.4	0.0	-64.5	-64.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
60.2	139.3	19500.4	0.0	-66.5	-66.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
62.2	142.3	20125.4	0.0	-68.5	-68.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
64.2	145.3	20750.4	0.0	-70.5	-70.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
66.2	148.3	21375.4	0.0	-72.5	-72.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
68.2	151.3	22000.4	0.0	-74.5	-74.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
70.2	154.3	22625.4	0.0	-76.5	-76.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
72.2	157.3	23250.4	0.0	-78.5	-78.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
74.2	160.3	23875.4	0.0	-80.5	-80.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
76.2	163.3	24500.4	0.0	-82.5	-82.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
78.2	166.3	25125.4	0.0	-84.5	-84.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
80.2	169.3	25750.4	0.0	-86.5	-86.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
82.2	172.3	26375.4	0.0	-88.5	-88.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
84.2	175.3	27000.4	0.0	-90.5	-90.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
86.2	178.3	27625.4	0.0	-92.5	-92.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
88.2	181.3	28250.4	0.0	-94.5	-94.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
90.2	184.3	28875.4	0.0	-96.5	-96.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
92.2	187.3	29500.4	0.0	-98.5	-98.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
94.2	190.3	30125.4	0.0	-100.5	-100.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
96.2	193.3	30750.4	0.0	-102.5	-102.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
98.2	196.3	31375.4	0.0	-104.5	-104.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
100.2	199.3	32000.4	0.0	-106.5	-106.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
102.2	202.3	32625.4	0.0	-108.5	-108.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
104.2	205.3	33250.4	0.0	-110.5	-110.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
106.2	208.3	33875.4	0.0	-112.5	-112.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
108.2	211.3	34500.4	0.0	-114.5	-114.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
110.2	214.3	35125.4	0.0	-116.5	-116.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
112.2	217.3	35750.4	0.0	-118.5	-118.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
114.2	220.3	36375.4	0.0	-120.5	-120.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
116.2	223.3	37000.4	0.0	-122.5	-122.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
118.2	226.3	37625.4	0.0	-124.5	-124.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
120.2	229.3	38250.4	0.0	-126.5	-126.5	325.0	31.4	19.6	-2.3	328.1	328.7	0.1	55.4	999.9	999.9
122.2	232.3	38875.4	0.0	-128.5	-128.5	325.0	31.4	19							

STATION NO. 255
VICTORIA, TEXAS27 MAY 1977
2300 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNCTY	WIGHT GPM	PRFS MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PWT T MG K	E POT V DEG K	MR STD G/KG	MR PCT	RANGE KM	AZ DEG
0.0	5.9	11.0	1000.4	28.8	20.5	170.0	6.2	-1.1	6.1	301.5	342.4	12.4	61.8	0.0	0.0
0.4	6.4	11.1	1000.0	27.9	20.1	160.3	2.4	-0.9	2.3	301.0	341.0	18.0	62.8	0.2	347.0
1.0	10.4	975.0	975.0	25.7	19.2	144.4	5.5	-1.6	5.3	301.0	336.7	14.8	67.4	0.5	348.0
2.5	10.9	575.0	575.0	23.2	18.4	169.8	5.3	-1.0	5.2	300.7	336.4	14.2	70.3	0.8	348.0
3.4	13.1	744.4	975.0	21.0	17.8	199.0	4.7	0.7	4.7	300.7	336.1	14.0	82.2	1.0	348.0
4.4	15.4	694.7	600.0	19.1	16.9	207.4	5.1	2.3	4.5	301.2	337.6	13.7	87.5	1.3	358.0
5.2	17.4	1237.9	875.0	19.4	-2.2	207.3	6.0	2.8	5.4	304.0	319.4	6.8	89.0	1.5	1.0
5.8	19.9	1487.0	850.0	19.8	-7.9	201.3	5.7	2.2	5.2	306.9	314.4	2.8	14.7	1.9	9.0
7.1	22.0	1747.2	825.0	20.4	-23.5	216.6	5.1	2.9	5.2	310.2	312.4	0.7	3.8	2.1	0.0
9.1	24.5	2007.9	807.0	19.7	-20.2	235.0	4.6	3.7	2.6	312.1	315.2	1.0	5.3	2.4	12.0
9.1	26.4	2270.7	775.0	18.2	-17.7	252.4	3.3	3.2	1.0	313.4	317.3	1.8	7.3	2.8	17.0
10.2	29.4	2558.7	750.0	15.0	-15.1	268.4	3.1	3.1	0.1	313.9	318.9	1.6	10.9	2.0	20.0
11.3	32.0	2845.0	725.0	14.1	-11.1	282.3	4.6	4.5	-1.0	315.5	320.3	5.0	35.2	2.7	28.0
12.4	34.7	3140.0	700.0	11.7	-1.3	291.1	5.7	5.3	-2.0	315.2	330.0	5.0	40.2	2.7	33.0
13.4	37.2	3437.5	675.0	8.5	-1.8	298.8	5.9	5.4	-2.0	316.2	329.8	4.4	47.7	2.0	41.0
14.9	40.0	3743.4	650.0	6.4	-3.9	298.1	6.4	6.5	-2.1	316.2	329.8	4.4	47.7	2.0	41.0
15.2	42.7	4074.0	625.0	7.5	-9.8	291.5	8.0	6.2	-3.2	316.2	329.8	2.0	32.7	2.0	60.0
17.5	44.6	4407.4	600.0	0.4	-11.8	300.1	11.1	9.6	-3.5	316.5	325.5	2.4	47.2	2.4	77.0
19.7	48.5	4743.5	575.0	-2.4	-13.2	304.9	12.1	9.6	-7.7	317.2	324.7	2.4	29.4	2.4	77.0
19.9	51.3	5099.4	550.0	-5.5	-20.5	304.8	11.5	8.9	-7.3	317.6	322.0	1.4	1.7	5.7	91.0
21.2	54.4	5457.5	525.0	-7.9	-20.9	304.8	9.3	7.6	-5.3	319.0	319.3	0.1	1.7	5.7	91.0
22.6	57.3	5815.5	500.0	-9.4	-25.5	315.4	10.4	7.1	-7.5	321.5	321.7	0.0	1.0	7.0	101.0
24.0	60.6	6270.7	475.0	-11.4	-27.2	320.7	13.9	8.9	-10.8	323.8	324.0	0.1	2.3	8.1	108.0
25.5	63.9	6634.0	450.0	-14.5	-32.7	321.2	16.7	10.5	-11.0	325.1	325.3	0.1	1.0	9.6	113.0
27.2	67.1	7077.5	425.0	-17.7	-41.1	314.2	17.6	12.6	-12.3	326.3	326.4	0.0	1.0	11.3	118.0
29.4	70.4	7524.0	400.0	-21.4	-43.6	308.0	16.8	13.1	-10.8	327.2	327.2	0.0	2.0	12.0	117.0
30.4	74.2	7906.3	375.0	-24.9	-46.2	313.1	17.0	12.4	-13.4	329.7	329.7	0.0	4.0	14.6	120.0
32.2	78.0	8401.5	350.0	-29.0	-50.7	319.0	18.0	11.5	-14.1	330.6	331.0	0.1	5.1	16.7	122.0
34.1	81.9	8914.9	325.0	-33.3	-55.0	321.0	20.7	13.0	-14.1	330.6	331.0	0.1	13.2	19.0	128.0
37.0	95.7	9474.0	300.0	-38.1	-55.6	321.1	21.0	13.2	-16.3	331.7	331.0	0.1	955.9	21.0	127.0
39.2	100.0	10167.9	275.0	-43.6	-59.4	314.2	20.5	14.7	-16.3	332.0	332.0	0.1	955.9	24.3	126.0
40.4	94.6	10402.7	250.0	-48.4	-59.9	265.4	20.9	18.9	-0.9	334.1	334.1	0.0	955.9	27.2	126.0
42.8	90.2	11487.2	225.0	-54.4	-59.9	293.3	22.1	10.9	-0.9	335.1	335.1	0.0	955.9	30.8	127.0
45.1	104.7	12274.5	200.0	-59.2	-59.9	297.0	26.4	23.9	-11.2	340.4	340.4	0.0	955.9	36.9	122.0
48.2	110.0	13073.3	175.0	-58.2	-59.9	297.0	28.3	25.3	-12.8	352.7	352.7	0.0	955.9	40.9	122.0
51.5	115.8	14034.9	150.0	-61.5	-59.9	300.1	21.4	18.7	-10.8	364.1	364.1	0.0	955.9	48.1	121.0
54.7	122.5	14144.4	125.0	-64.1	-59.9	305.6	18.7	14.0	-11.1	371.7	371.7	0.0	955.9	48.3	123.0
58.6	128.9	14474.4	100.0	-67.5	-59.9	316.8	7.4	2.9	-4.6	397.4	397.4	0.0	955.9	48.3	123.0
63.6	133.0	14817.7	75.0	-66.7	-59.9	305.3	2.7	2.2	-1.6	411.7	411.7	0.0	955.9	48.3	123.0
73.0	145.1	20744.7	50.0	-59.0	-59.9	57.5	5.2	-4.3	-2.6	504.6	504.6	0.0	955.9	48.3	123.0
87.2	155.5	35210.1	25.0	-46.7	-59.9	999.9	999.9	99.9	99.9	650.5	650.5	0.0	955.9	48.3	123.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 260
STEPHENVILLE, TEXAS27 MAY 1977
2300 GMT

TIME MIN	CNTCT	WFLIGHT GPM	PR'S WG	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	WGT T DG K	E POT T DG K	MX RTO GPM/KG	RM PCT	RANGE KM	AZ DG
0.0	9.3	300.0	400.5	28.5	16.7	160.0	5.2	-1.8	4.9	305.1	339.5	12.6	45.0	0.0	0.
9.0	9.0	300.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	10.2	407.9	550.0	28.2	17.9	167.1	9.0	-2.0	9.8	305.8	343.1	13.7	55.6	0.4	343.
1.1	12.3	718.4	950.0	26.4	17.9	173.0	9.3	-1.0	4.2	306.3	344.8	14.1	59.7	0.7	346.
2.2	14.6	976.3	900.0	26.5	17.2	183.1	9.4	0.5	9.4	306.8	344.8	13.9	63.9	1.2	351.
7.2	14.7	1223.4	875.0	21.5	16.2	194.3	9.3	2.3	9.0	306.1	342.5	13.4	72.0	1.8	357.
8.2	19.2	1473.7	850.0	18.9	16.0	194.3	9.3	3.4	7.9	307.0	343.1	13.6	83.3	2.3	1.
5.2	21.6	1710.4	825.0	17.7	15.2	203.0	9.4	5.3	7.2	307.7	340.3	11.8	84.3	3.3	0.
5.7	23.4	1973.3	900.0	15.5	12.0	216.5	9.0	5.3	6.2	309.6	337.4	6.9	72.8	3.8	13.
7.3	26.1	2263.0	775.0	14.6	9.8	221.7	9.3	5.1	3.8	313.2	330.2	5.8	56.9	4.2	16.
9.4	29.7	2541.0	750.0	15.3	1.7	233.6	6.4	5.1	3.5	313.9	330.5	5.7	47.9	4.5	20.
9.4	31.3	2827.3	725.0	17.0	1.0	242.6	7.0	6.7	4.7	315.0	329.8	5.0	41.2	5.0	25.
10.5	33.0	3131.4	700.0	11.3	-1.4	241.9	10.1	9.9	4.7	315.0	327.9	4.0	37.0	5.6	20.
11.9	34.4	3428.3	675.0	9.1	-4.8	246.1	10.9	9.9	4.3	316.1	326.7	3.5	45.0	6.4	35.
13.1	39.1	3735.5	650.0	6.5	-5.9	254.6	10.5	10.2	2.8	316.1	326.7	3.3	51.7	7.5	43.
14.4	41.8	4055.7	625.0	3.2	-7.6	259.8	10.7	10.5	1.6	316.1	326.2	3.3	51.7	7.5	43.
15.7	46.7	4348.2	600.0	-0.9	-8.8	259.9	11.5	11.3	2.0	316.1	326.2	3.3	51.7	7.5	43.
17.0	47.6	4724.5	575.0	-2.2	-19.3	270.1	13.0	13.0	-0.0	317.4	322.2	1.5	25.6	8.3	46.
18.5	50.4	5077.2	550.0	-2.9	-29.4	275.2	14.1	13.9	-3.4	317.4	322.2	0.7	11.8	9.1	53.
19.9	53.6	5443.7	525.0	-5.4	-29.7	285.4	14.4	13.9	-3.4	317.4	322.2	0.7	11.8	9.1	53.
21.5	56.4	5824.3	500.0	-8.0	-27.1	296.1	16.0	14.6	-5.5	317.4	322.2	0.7	11.8	9.1	53.
23.0	60.0	6230.6	475.0	-11.0	-29.0	296.7	17.0	15.2	-7.6	317.4	322.2	0.7	11.8	9.1	53.
24.5	63.4	6633.1	450.0	-14.7	-29.1	295.6	17.2	15.5	-7.5	317.4	322.2	0.7	11.8	9.1	53.
26.2	64.9	7042.6	425.0	-18.1	-32.4	300.4	17.3	14.9	-7.5	317.4	322.2	0.7	11.8	9.1	53.
27.9	70.4	7512.4	400.0	-21.5	-34.7	303.4	17.7	17.0	-9.9	317.4	322.2	0.7	11.8	9.1	53.
30.0	74.1	7994.0	375.0	-24.9	-35.5	303.5	20.4	17.0	-11.3	317.4	322.2	0.7	11.8	9.1	53.
32.1	78.2	8483.2	350.0	-29.4	-35.3	298.4	22.4	19.7	-10.8	317.4	322.2	0.7	11.8	9.1	53.
34.6	82.2	9004.4	325.0	-33.1	-45.3	298.5	22.7	19.9	-10.8	317.4	322.2	0.7	11.8	9.1	53.
37.0	86.2	9521.1	300.0	-37.4	-46.2	299.0	24.5	21.5	-11.9	317.4	322.2	0.7	11.8	9.1	53.
39.2	90.4	10157.0	275.0	-42.0	-46.2	299.0	26.5	27.4	-11.9	317.4	322.2	0.7	11.8	9.1	53.
41.7	95.7	10794.3	250.0	-47.6	-46.2	299.0	28.6	28.1	-11.9	317.4	322.2	0.7	11.8	9.1	53.
44.1	100.5	11441.4	225.0	-53.2	-46.2	299.0	26.2	24.8	-11.9	317.4	322.2	0.7	11.8	9.1	53.
47.0	105.0	12144.2	200.0	-57.2	-46.2	299.0	24.1	24.8	-11.9	317.4	322.2	0.7	11.8	9.1	53.
50.2	111.4	12711.2	175.0	-60.6	-46.2	299.0	24.1	24.2	-11.9	317.4	322.2	0.7	11.8	9.1	53.
53.6	118.0	14011.7	150.0	-63.4	-46.2	299.0	24.1	16.4	-11.9	317.4	322.2	0.7	11.8	9.1	53.
57.5	125.0	14515.4	125.0	-63.4	-46.2	299.0	18.1	9.2	-11.9	317.4	322.2	0.7	11.8	9.1	53.
62.4	132.3	14512.6	100.0	-64.9	-46.2	299.0	10.0	2.3	-11.9	317.4	322.2	0.7	11.8	9.1	53.
66.9	140.0	14744.3	75.0	-65.2	-46.2	299.0	3.4	2.3	-11.9	317.4	322.2	0.7	11.8	9.1	53.
77.1	147.1	20755.4	50.0	-59.4	-46.2	299.0	5.2	-3.5	-11.9	317.4	322.2	0.7	11.8	9.1	53.
89.9	155.0	23179.6	25.0	-51.3	-46.2	299.0	4.3	-4.1	-11.9	317.4	322.2	0.7	11.8	9.1	53.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 201
 DEL RIO, TEXAS

 27 MAY 1977
 2300 GMT

160 0. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNCTY	WEIGHT GMS	WRES MM	TRWD DG C	DEW PT DG C	CIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT V DG K	RZ RTO CM/SEC	FM PCY	RANGE KM	AZ DG
0.0	0.0	314.0	570.0	27.4	21.0	130.0	6.7	-5.1	4.3	303.2	344.5	18.4	66.0	0.0	0.0
00.0	00.0	00.0	1000.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	00.0	000.0	000.0	000.0
00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	00.0	000.0	000.0	000.0
0.0	0.0	494.2	550.0	25.0	21.5	162.4	4.5	-1.4	4.3	303.5	349.6	17.2	76.4	0.0	0.0
1.0	12.6	774.0	925.0	23.2	20.8	130.4	7.5	-4.0	5.7	303.1	348.5	17.0	86.3	0.0	0.0
2.0	14.9	073.3	900.0	21.3	16.8	137.0	7.3	-4.0	5.4	303.4	349.9	13.5	75.7	1.2	322.0
3.0	17.0	1218.0	875.0	24.4	9.0	146.6	3.9	-3.9	5.4	309.1	333.4	8.6	39.0	1.0	219.0
4.0	19.4	1477.0	840.0	25.0	-1.0	10.0	4.1	-0.7	-4.1	312.4	324.2	4.0	16.9	1.0	318.0
5.0	21.5	1733.0	825.0	22.8	-4.8	374.3	4.2	1.0	-3.0	312.7	322.6	3.3	16.4	1.0	308.0
6.0	24.0	1988.5	800.0	21.0	-8.2	209.6	3.8	2.9	-2.4	313.9	322.7	3.0	15.8	1.0	303.0
7.0	26.2	2272.3	775.0	18.5	-11.9	274.3	3.6	7.9	-0.3	313.7	326.7	4.3	25.1	0.0	302.0
8.0	29.7	2552.0	750.0	15.9	0.3	262.2	4.9	6.9	0.9	313.9	329.5	5.3	34.0	0.7	316.0
9.0	31.4	2838.4	725.0	14.2	99.9	241.3	8.4	4.0	-1.7	315.0	330.0	99.9	955.0	0.5	10.0
10.0	34.1	3127.0	700.0	11.1	1.0	242.5	8.8	4.6	-1.9	314.7	332.2	8.9	55.0	0.0	0.0
11.0	36.6	3419.5	675.0	8.5	0.6	244.6	9.7	0.7	0.2	315.2	332.7	5.9	37.4	1.3	77.0
12.0	39.1	3714.3	650.0	5.6	-0.7	264.0	12.0	12.0	1.3	315.3	331.9	5.6	63.6	2.1	00.0
13.0	41.9	4014.7	625.0	4.1	-5.0	269.2	15.7	15.7	0.2	317.2	330.0	4.2	51.6	2.2	0.0
14.0	44.0	4319.0	600.0	2.7	-12.2	280.1	18.9	14.5	-3.3	319.1	327.1	2.8	32.1	4.6	0.0
15.0	46.0	4619.0	575.0	0.7	-21.2	285.9	19.1	17.4	-6.9	320.4	324.8	1.2	17.2	6.8	0.0
16.0	48.0	4919.0	550.0	-2.0	-31.3	283.4	13.2	12.8	-3.1	321.8	323.6	0.5	7.2	8.1	0.0
17.0	50.7	5219.0	525.0	-4.2	-42.7	273.2	9.7	9.7	-0.5	323.1	324.0	0.2	3.2	9.2	0.0
18.0	53.4	5519.0	500.0	-5.8	-56.1	270.7	8.2	9.1	-1.4	324.8	324.0	0.3	7.8	9.5	0.0
19.0	56.1	5819.0	475.0	-8.7	-76.0	268.4	4.0	7.6	-2.5	326.0	327.3	0.4	9.5	9.5	0.0
20.0	58.8	6119.0	450.0	-12.2	-95.0	266.7	9.5	4.9	-3.2	326.5	328.1	0.4	13.6	16.4	0.0
21.0	61.7	6419.0	425.0	-16.4	-122.0	264.3	12.4	11.9	-3.5	327.7	328.4	0.2	8.2	11.9	0.0
22.0	64.6	6719.0	400.0	-20.5	-145.1	267.0	13.3	12.7	-3.9	328.4	329.8	0.2	6.0	12.0	0.0
23.0	67.5	7019.0	375.0	-24.6	-168.2	267.8	14.9	14.2	-4.6	329.0	330.1	0.3	21.0	14.2	0.0
24.0	70.4	7319.0	350.0	-28.4	-192.5	268.4	15.3	13.5	-5.1	330.5	330.1	0.7	67.3	15.9	100.0
25.0	73.3	7619.0	325.0	-32.8	-217.4	269.2	17.4	15.1	-6.6	331.9	333.1	0.5	62.2	17.9	101.0
26.0	76.2	7919.0	300.0	-37.3	-241.5	269.6	14.0	16.9	-8.0	332.9	334.0	0.3	44.3	19.9	102.0
27.0	79.1	8219.0	275.0	-42.5	-265.6	269.0	18.0	17.5	-8.4	333.4	335.0	0.5	955.0	22.0	103.0
28.0	82.0	8519.0	250.0	-48.3	-290.7	261.2	19.6	17.2	-8.8	334.3	336.0	0.9	955.0	24.4	103.0
29.0	84.9	8819.0	225.0	-53.0	-315.8	263.3	14.0	17.6	-9.1	335.3	337.3	0.9	999.0	27.1	103.0
30.0	87.8	9119.0	200.0	-58.0	-340.9	260.1	22.7	21.5	-7.4	340.1	339.6	0.9	955.0	30.4	103.0
31.0	90.7	9419.0	175.0	-63.0	-366.0	269.4	25.7	24.2	-4.5	351.7	339.9	0.9	955.0	33.8	104.0
32.0	93.6	9719.0	150.0	-68.0	-391.1	266.5	28.9	27.7	-3.2	354.6	339.9	0.9	955.0	37.2	104.0
33.0	96.5	10019.0	125.0	-73.0	-416.2	260.9	18.9	14.2	-0.7	371.2	339.9	0.9	999.0	40.6	104.0
34.0	99.4	10319.0	100.0	-78.0	-441.3	245.4	8.1	7.6	-2.2	395.2	339.9	0.9	999.0	44.0	104.0
35.0	102.3	10619.0	75.0	-83.0	-466.4	194.2	3.4	1.7	3.2	429.2	339.9	0.9	999.0	47.4	104.0
36.0	105.2	10919.0	50.0	-88.0	-491.5	64.5	5.5	-4.9	-2.4	460.4	339.9	0.9	999.0	50.8	104.0
37.0	108.1	11219.0	25.0	-93.0	-516.6	171.2	4.7	-0.7	4.7	490.5	339.9	0.9	999.0	54.2	104.0
38.0	111.0	11519.0	0.0	-98.0	-541.7	0.0	0.0	0.0	0.0	520.6	339.9	0.9	999.0	57.6	104.0

 0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 295
MIDLAND, TEXAS

27 MAY 1977
2305 GMT

143 12. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES HG	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PST Y DG K	E PCT Y DG K	MX RTO GPM/KG	PH PCT	RANGE KM	AZ DG
0.0	14.3	871.0	907.6	32.2	1.3	230.0	8.3	5.4	5.3	313.0	327.8	4.7	14.0	0.0	0.0
09.0	90.0	90.0	1000.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
09.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
09.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
09.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
0.2	14.0	900.0	900.0	31.1	4.5	248.2	9.3	9.6	3.5	313.6	320.9	5.9	10.7	0.2	46.0
0.0	17.0	1100.0	875.0	24.0	2.6	248.3	9.6	8.9	3.5	313.0	327.6	5.3	10.7	0.5	60.0
1.5	19.3	1450.0	850.0	25.7	1.2	250.0	9.6	9.0	3.3	313.0	327.6	4.9	20.3	0.9	62.0
2.4	21.4	1715.1	825.0	23.0	-0.3	254.8	9.9	9.5	2.6	312.9	326.4	4.5	21.2	1.4	67.0
4.5	23.8	1941.5	800.0	20.1	-1.2	255.6	10.6	10.2	3.0	312.6	325.6	4.4	22.6	2.0	65.0
5.2	26.0	2253.7	775.0	17.6	-2.7	258.0	11.7	11.5	2.4	312.7	324.8	4.0	24.9	2.7	71.0
5.0	28.4	2532.5	750.0	15.0	-3.1	255.2	12.0	11.6	3.1	312.9	325.1	4.1	22.5	3.2	72.0
5.0	30.9	2818.1	725.0	12.1	-4.0	250.4	12.3	11.6	4.1	312.7	324.4	3.9	22.2	3.7	72.0
7.0	33.1	3110.7	700.0	9.5	-6.5	250.7	15.3	14.4	5.1	313.1	323.3	3.4	31.6	4.6	72.0
9.1	35.0	3411.4	675.0	7.9	-8.9	253.7	14.8	14.4	3.7	314.4	323.3	2.9	31.6	5.6	72.0
9.3	39.4	3721.5	650.0	6.2	-17.2	260.0	12.9	12.6	2.2	316.0	320.9	1.3	15.2	7.4	74.0
10.4	41.0	4041.4	625.0	4.4	-19.4	263.3	12.0	11.0	1.4	313.0	322.2	1.3	15.2	7.4	74.0
11.4	43.9	4372.8	600.0	2.5	-21.2	267.4	13.1	13.1	0.6	319.0	321.8	1.2	15.3	8.4	75.0
13.0	46.6	4714.9	575.0	-0.4	-23.0	270.4	14.9	14.8	-1.4	319.5	323.0	1.0	16.1	9.4	77.0
14.3	49.4	5069.7	550.0	-2.8	-25.3	282.5	17.2	16.9	-3.7	320.8	325.7	0.9	15.7	10.5	79.0
15.4	52.1	5436.1	525.0	-4.5	-27.1	283.2	17.1	16.6	-3.9	323.0	325.7	0.8	15.1	11.6	82.0
15.6	55.3	5817.4	500.0	-8.3	-21.2	283.6	15.7	15.3	-3.7	322.9	327.6	1.4	24.6	12.7	84.0
17.4	59.4	6213.7	475.0	-11.3	-21.0	285.4	13.7	13.3	-3.4	324.0	327.6	1.5	44.4	13.8	85.0
19.1	61.5	6626.0	450.0	-14.7	-25.0	278.5	13.3	13.3	-2.1	324.7	324.5	1.1	41.0	14.9	86.0
20.5	64.0	7055.7	425.0	-19.4	-26.9	271.4	15.2	15.2	-0.4	325.4	328.8	1.0	47.0	16.1	87.0
22.1	68.1	7505.4	400.0	-22.1	-27.7	271.4	18.9	18.8	-0.5	326.3	329.7	1.0	59.9	17.6	87.0
23.7	71.4	7977.0	375.0	-25.3	-28.2	277.7	22.1	21.9	-3.0	325.1	331.3	0.9	71.4	19.6	88.0
25.4	75.2	8474.5	350.0	-28.0	-30.2	283.4	20.7	20.1	-4.8	325.1	332.2	0.7	73.7	21.7	89.0
27.0	79.0	8902.6	325.0	-33.7	-34.9	285.0	18.3	17.6	-5.0	330.2	332.0	0.5	72.3	23.5	91.0
28.8	83.0	9355.0	300.0	-38.0	-42.9	280.7	19.4	19.1	-3.6	331.8	332.9	0.3	55.2	25.5	92.0
30.4	87.0	10150.2	275.0	-42.3	90.9	278.0	21.1	21.1	-1.5	336.0	999.9	99.9	999.9	27.9	92.0
32.4	91.4	10784.7	250.0	-48.2	90.9	272.2	21.0	21.0	-0.8	334.5	999.9	95.9	956.9	30.6	92.0
34.0	95.2	11471.3	225.0	-53.9	90.9	271.1	23.6	23.6	-0.5	335.5	999.9	95.9	956.9	32.3	92.0
37.2	101.2	12222.3	200.0	-56.7	90.9	278.0	25.0	24.8	-3.5	341.0	904.9	99.9	999.9	36.5	92.0
43.0	106.5	13052.9	175.0	-59.4	90.9	278.6	28.4	28.6	-3.7	351.7	999.9	95.9	956.9	40.7	93.0
47.0	112.4	13920.4	150.0	-63.5	90.9	281.8	27.8	27.3	-5.7	360.9	999.9	99.9	999.9	45.0	93.0
46.4	119.7	15111.5	125.0	-67.2	90.9	283.7	19.1	16.7	-7.0	373.3	999.9	95.9	956.9	50.3	95.0
50.6	124.7	16474.4	100.0	-64.1	90.9	276.7	9.5	9.5	-1.1	400.0	999.9	99.9	956.9	53.4	96.0
56.5	135.3	18221.5	75.0	-65.5	90.9	318.4	3.5	2.4	-2.4	435.5	994.9	99.9	956.9	54.7	96.0
54.4	147.3	20721.9	50.0	-54.3	90.9	40.1	5.0	-4.3	-2.6	506.2	999.9	95.9	956.9	54.0	97.0
75.4	151.7	25153.4	25.0	-51.2	90.9	590.9	990.9	990.9	99.9	537.9	999.9	99.9	956.9	50.1	98.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 327
 NASHVILLE, TENNESSEE

 27 MAY 1977
 2325 GMT

TIME MIN	CNTCT	WFLGHT GPM	PPES MB	TEMP DG C	DFW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GP/KG	RM PCT	RANGE AZ KM
0.0	7.5	180.0	987.6	27.5	17.9	130.0	3.2	-2.5	2.1	301.7	337.2	13.2	56.0	0.0
0.9	9.0	99.9	1000.0	59.9	99.9	99.9	99.9	59.9	99.9	99.9	999.9	99.9	999.9	999.9
0.6	8.7	203.4	675.0	25.2	15.4	120.3	3.9	-3.0	2.5	300.5	333.0	12.1	58.1	0.2
1.4	10.5	521.5	550.0	23.5	15.8	120.6	4.1	-3.5	2.1	301.1	333.2	12.0	61.2	0.3
3.0	13.0	753.8	925.0	21.3	14.5	99.2	4.3	-4.3	0.6	301.1	331.5	11.3	65.2	0.5
4.3	15.4	500.9	900.0	18.9	13.8	86.6	3.6	-3.6	-0.2	301.0	330.9	11.1	72.0	1.0
5.5	17.5	1237.6	875.0	15.9	12.7	74.7	3.5	-3.4	-1.0	301.3	330.2	10.7	76.6	1.3
6.9	23.1	1479.5	850.0	14.9	10.9	61.3	4.8	-4.2	-2.3	301.7	328.0	9.7	77.3	1.5
9.1	22.7	1732.3	825.0	17.5	9.0	81.6	4.8	-4.8	-0.7	302.9	327.1	8.8	74.2	1.9
9.2	24.4	1001.1	800.0	11.7	7.5	89.2	3.4	-3.4	-0.0	303.7	326.3	8.2	75.5	2.1
10.3	2.1	2254.3	775.0	10.4	6.1	109.2	3.2	-3.2	0.6	305.0	324.3	7.7	74.5	2.3
11.4	27.4	2529.2	750.0	4.0	4.6	89.7	3.7	-3.7	-0.0	305.2	323.6	7.1	76.3	2.5
14.4	35.1	7055.9	700.0	4.6	0.3	89.5	3.0	-2.9	-0.1	306.6	324.3	6.2	72.7	2.9
15.4	37.7	3321.1	675.0	2.3	-11.6	126.7	3.0	-2.4	1.9	308.2	322.8	5.0	75.2	3.4
16.9	40.4	7454.3	650.0	0.4	-11.1	134.9	4.0	-2.8	2.8	309.9	318.3	2.8	46.1	3.6
20.2	46.1	4341.6	600.0	0.4	-23.6	117.9	5.4	-4.4	2.5	315.1	316.0	0.9	12.2	4.0
21.7	49.1	4641.9	575.0	-1.5	-24.2	103.0	6.0	-5.9	1.0	316.8	319.8	0.9	13.4	4.5
21.3	52.0	5032.4	550.0	-4.6	-27.3	72.4	4.3	-4.1	-0.3	318.2	321.1	0.9	14.7	5.1
25.0	55.2	5367.1	525.0	-4.3	-28.7	63.2	4.8	-4.3	-2.1	318.5	320.8	0.7	17.3	5.9
25.5	58.3	5777.4	500.0	-11.6	-31.2	53.9	3.4	-2.7	-2.0	318.9	320.9	0.5	17.8	6.2
28.5	61.6	6155.0	475.0	-13.1	-33.1	110.6	5.1	-4.7	1.8	321.8	323.5	0.5	16.8	6.5
31.0	65.1	6575.5	450.0	-15.1	-35.6	122.8	6.5	-5.4	3.5	324.2	325.7	0.4	15.3	7.5
33.2	68.4	7004.7	425.0	-18.7	-38.3	127.8	5.8	-4.9	3.2	325.0	326.2	0.3	15.7	8.2
35.3	71.3	7457.5	400.0	-22.3	-41.1	111.0	5.3	-4.9	1.9	325.0	326.9	0.3	16.1	8.8
37.9	75.9	7923.6	375.0	-26.4	-44.2	115.1	5.3	-4.7	2.5	326.4	327.2	0.2	16.9	9.6
40.1	80.3	8416.9	350.0	-31.4	-48.8	120.8	3.4	-2.8	2.1	326.4	327.0	0.2	20.0	10.2
43.5	83.4	8795.1	325.0	-35.3	-49.5	123.1	3.8	-3.2	2.1	328.0	328.5	0.1	21.6	10.6
45.3	88.2	9492.7	300.0	-40.0	-50.6	177.5	2.1	-0.1	2.1	328.0	328.5	0.1	21.6	10.6
48.4	92.8	10078.6	275.0	-44.4	-50.9	203.2	3.2	1.2	3.0	331.0	329.9	0.5	55.5	11.0
51.3	97.5	10709.4	250.0	-49.8	-50.9	205.7	3.9	1.7	3.5	332.0	329.9	0.5	55.5	11.0
54.3	102.9	11783.1	225.0	-55.6	-50.9	190.1	4.7	0.8	4.6	333.3	329.9	0.4	55.5	11.0
57.9	109.4	12170.8	200.0	-60.4	-50.9	209.7	5.4	2.7	4.7	337.1	329.9	0.4	55.5	11.0
61.5	114.3	12652.8	175.0	-64.2	-50.9	256.5	6.4	6.3	1.5	344.0	329.9	0.4	55.5	11.0
65.5	120.8	13001.9	150.0	-64.0	-50.9	347.4	4.6	1.0	-4.5	359.9	329.9	0.4	55.5	11.0
70.7	123.0	15011.2	125.0	-59.8	-50.9	301.3	4.2	3.5	-2.2	366.7	329.9	0.4	55.5	11.0
76.2	175.7	14414.0	100.0	-64.7	-50.9	303.6	3.2	2.7	-1.7	402.8	329.9	0.4	55.5	11.0
82.3	142.9	18169.6	75.0	-63.4	-50.9	340.2	7.5	2.6	-7.1	460.1	329.9	0.4	55.5	11.0
92.4	150.7	20701.1	50.0	-58.1	-55.7	71.5	4.5	-4.3	-1.4	506.7	329.9	0.4	55.5	11.0
111.0	156.7	25142.4	25.0	-50.6	-50.9	999.9	999.9	99.9	99.9	639.5	999.9	99.9	999.9	999.9

 * BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 340
LITTLE ROCK, ARKANSAS

27 MAY 1977
2300 GMT

TIME MIN	CNTCT	MPGHTY GDM	PRFS MM	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP Y/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GP/KG	RM PCT	RANGE KM	AZ DG
0.0	7.4	172.0	989.9	30.7	15.5	300.0	2.1	1.8	-1.0	304.8	335.8	11.3	46.0	0.0	0.
00.9	99.9	03.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.5	9.5	297.1	975.0	28.44	99.9	315.2	2.6	1.9	-1.0	303.8	999.9	99.9	999.9	999.9	999.9
1.4	10.5	527.1	950.0	25.0	15.5	317.5	2.1	1.4	-1.0	303.5	999.9	99.9	999.9	999.9	999.9
2.4	12.7	761.4	925.0	23.4	14.2	317.5	1.3	1.3	-1.4	303.5	335.4	11.8	52.7	0.2 136.	0.2 136.
3.4	14.0	1070.7	900.0	21.6	13.7	320.6	2.0	1.5	-1.4	303.7	333.8	11.1	55.7	0.3 137.	0.3 137.
4.7	16.9	1244.1	875.0	19.0	12.2	325.2	2.7	1.5	-2.2	303.5	331.7	11.0	66.8	0.4 137.	0.4 137.
6.0	19.3	1407.8	850.0	16.7	10.9	325.4	3.1	1.5	-2.2	303.7	330.2	10.3	64.7	0.6 136.	0.6 136.
7.1	21.4	1747.7	825.0	15.4	9.1	307.6	3.0	2.5	-1.6	305.3	329.9	9.7	68.4	0.8 141.	0.8 141.
9.0	23.7	2094.1	800.0	13.5	7.0	299.4	2.6	2.4	-0.9	305.5	327.6	7.9	64.4	1.0 141.	1.0 141.
10.3	25.9	2274.8	775.0	11.1	5.5	295.1	1.4	3.1	-1.4	305.8	326.5	7.4	62.4	1.3 124.	1.3 124.
11.5	28.4	2449.1	750.0	9.2	5.3	307.5	5.0	4.2	-2.8	306.6	327.6	7.5	76.2	1.6 121.	1.6 121.
12.7	30.5	2617.4	725.0	7.3	3.7	304.8	5.9	5.5	-4.1	307.4	327.0	6.9	78.0	2.0 130.	2.0 130.
14.9	32.7	2784.2	700.0	5.4	1.8	300.9	4.6	7.4	-4.4	308.6	326.4	6.2	76.9	2.4 125.	2.4 125.
15.2	34.7	2944.9	675.0	4.2	-2.6	307.4	8.9	7.2	-5.3	310.3	324.1	4.7	61.5	3.2 127.	3.2 127.
17.9	36.0	3117.4	650.0	2.4	-4.9	310.2	9.9	7.6	-6.4	311.7	323.9	4.1	52.1	3.9 128.	3.9 128.
19.0	37.0	3284.1	625.0	-0.0	-5.1	309.5	10.5	8.1	-6.7	312.4	323.9	4.2	66.8	4.7 129.	4.7 129.
20.5	38.0	3450.1	600.0	-2.6	-10.8	309.5	9.7	7.6	-2.5	313.1	321.7	2.9	53.2	5.6 129.	5.6 129.
21.9	39.0	3611.2	575.0	-5.1	-22.7	298.1	9.0	9.7	0.4	315.9	318.8	1.1	21.6	6.1 128.	6.1 128.
23.2	40.9	3774.9	550.0	-8.4	-28.8	294.8	9.4	8.1	2.2	318.3	320.6	0.8	18.5	6.8 124.	6.8 124.
24.5	42.4	3942.1	525.0	-10.1	-29.0	285.7	4.2	8.1	1.7	320.7	322.1	0.7	15.4	7.3 120.	7.3 120.
26.4	44.4	4112.4	500.0	-12.0	-23.7	227.8	2.4	1.8	1.6	322.0	324.1	1.2	41.0	7.8 116.	7.8 116.
28.1	46.7	4281.4	475.0	-15.5	-30.2	230.0	2.4	1.8	1.5	323.7	324.1	0.5	27.2	7.9 114.	7.9 114.
29.9	49.2	4450.7	450.0	-18.4	-34.5	220.6	2.7	2.1	1.5	325.5	327.1	0.5	22.6	8.0 112.	8.0 112.
31.5	51.7	4619.7	425.0	-21.4	-39.2	219.2	4.2	3.2	2.7	326.6	327.6	0.3	15.0	8.2 110.	8.2 110.
33.4	54.7	4788.7	400.0	-25.7	-44.5	210.2	5.6	3.4	4.4	327.6	329.1	0.5	43.2	8.4 107.	8.4 107.
35.6	57.7	4957.4	375.0	-30.0	-49.9	205.0	7.0	3.5	6.1	329.1	330.5	0.6	68.0	8.6 103.	8.6 103.
37.4	60.4	5126.4	350.0	-35.5	-55.2	205.0	4.2	3.5	7.4	330.5	331.6	0.3	40.2	9.0 56.	9.0 56.
39.4	63.4	5295.4	325.0	-40.2	-60.2	204.5	9.3	3.7	7.4	332.4	333.2	0.2	29.7	9.3 50.	9.3 50.
41.1	66.2	5464.4	300.0	-45.5	-65.5	214.4	4.9	4.0	7.3	333.3	334.0	99.9	955.9	10.0 94.	10.0 94.
42.5	68.5	5633.4	275.0	-50.0	-70.0	217.7	9.7	5.1	6.5	334.0	335.0	99.9	955.9	10.9 75.	10.9 75.
44.1	70.9	5802.4	250.0	-55.1	-75.1	205.5	7.1	3.1	6.4	335.6	336.6	99.9	955.9	11.7 75.	11.7 75.
45.1	72.9	5971.4	225.0	-60.6	-80.6	204.4	4.1	2.9	3.0	341.7	337.7	99.9	955.9	12.5 72.	12.5 72.
47.1	75.9	6140.4	200.0	-65.5	-85.5	204.4	4.1	3.1	6.1	342.0	338.0	99.9	955.9	13.0 70.	13.0 70.
49.4	78.9	6309.4	175.0	-70.0	-90.0	204.4	4.1	3.1	-3.0	343.3	339.3	99.9	955.9	13.8 70.	13.8 70.
51.2	81.2	6478.4	150.0	-75.0	-95.0	217.1	7.9	5.3	-3.0	343.3	340.6	99.9	955.9	14.8 70.	14.8 70.
53.4	83.4	6647.4	125.0	-80.0	-100.0	217.1	4.5	2.5	-3.5	408.5	399.9	99.9	955.9	17.5 83.	17.5 83.
55.6	85.6	6816.4	100.0	-85.0	-105.0	217.1	3.9	-0.3	-3.9	430.0	399.9	99.9	955.9	18.1 87.	18.1 87.
57.9	87.9	6985.4	75.0	-90.0	-110.0	217.1	4.6	-4.5	-1.1	510.8	399.9	99.9	955.9	16.6 91.	16.6 91.
60.1	90.1	7154.4	50.0	-95.0	-115.0	217.1	1.9	-1.2	-1.5	645.3	399.9	99.9	955.9	13.6 91.	13.6 91.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

** BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

*** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY.

STATION N. 246
MONEY, MISSOURI27 MAY 1977
2302 GMT

TIME MIN	CNCT	WIGHT GPM	CRFS MM	TEMP DG C	CRF DG C	DIR DG	SPED M/SEC	U COMP M/SEC	V COMP M/SEC	PCT Y DG K	F PCT Y DG K	MR RTO GP/KG	MR PCT	RANGE KM	AZ DG
0.0	10.1	438.0	559.0	28.3	15.0	100.0	2.0	8.5	2.0	305.2	337.2	11.7	46.0	0.0	0.
00.0	09.9	400.0	1000.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0
00.0	09.9	400.0	575.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0
0.1	10.7	912.5	925.0	27.0	15.0	100.1	2.0	0.4	2.7	304.6	335.0	11.4	47.0	0.1	19.
1.0	12.0	747.7	925.0	24.0	14.0	100.0	3.0	0.9	3.2	304.7	335.3	11.2	52.0	0.2	21.
2.0	12.2	907.5	900.0	22.4	13.5	201.7	3.0	1.4	3.6	304.6	334.5	10.0	57.2	0.3	21.
3.0	12.5	1031.0	975.0	19.0	12.1	193.2	4.1	0.9	4.0	304.5	332.5	10.2	57.2	0.5	20.
4.0	12.6	1031.2	940.0	17.6	11.9	193.4	4.4	0.6	3.4	304.6	332.5	10.2	57.2	0.5	20.
5.0	22.2	1031.2	940.0	15.2	11.4	191.2	4.6	0.1	3.6	304.6	332.5	10.2	57.2	0.5	20.
6.0	22.2	1031.2	940.0	12.5	10.2	191.2	4.2	0.4	4.1	304.5	332.5	10.2	57.2	0.5	20.
7.0	27.1	2047.0	775.0	11.1	7.0	217.2	5.3	1.2	4.2	304.5	332.5	10.2	57.2	0.5	20.
8.0	29.4	2047.0	775.0	10.4	1.4	205.2	7.0	7.0	0.6	307.5	328.5	0.1	57.2	0.5	20.
9.0	22.3	2013.3	725.0	8.4	0.1	205.2	7.0	7.0	0.6	307.5	328.5	0.1	57.2	0.5	20.
10.0	11.4	3107.4	700.0	6.3	-2.2	275.0	8.3	4.1	-1.5	308.6	328.1	5.4	56.1	2.1	23.
11.0	37.6	7405.0	675.0	4.0	-1.6	277.4	10.0	9.9	-1.0	309.4	328.1	5.4	56.1	2.1	23.
12.0	40.6	711.0	650.0	1.4	-2.2	281.6	11.0	10.7	-2.6	310.2	328.9	5.1	57.1	3.1	50.
13.0	47.0	4025.4	625.0	-1.3	-5.1	200.5	11.4	10.6	-2.6	310.5	328.2	5.0	57.9	3.7	50.
14.0	45.0	4745.8	600.0	-3.5	-7.0	207.0	11.0	10.5	-3.2	312.1	328.4	4.2	57.3	4.3	72.
15.0	49.0	4695.4	575.0	-4.9	-21.7	266.2	9.7	9.7	0.6	313.3	318.1	3.0	57.7	5.0	75.
16.0	51.0	4074.5	550.0	-6.6	-17.0	236.5	9.3	7.9	5.1	314.3	322.1	1.2	57.4	5.9	82.
17.0	54.0	4799.5	525.0	-8.2	-42.5	233.9	9.3	7.9	7.2	315.6	322.1	1.2	57.4	5.9	82.
18.0	54.0	5771.5	500.0	-11.5	-45.0	210.2	9.7	6.0	7.6	320.3	320.8	0.2	41.2	6.0	80.
19.0	61.3	4144.4	475.0	-13.0	-29.7	223.9	10.0	7.0	7.2	321.9	324.4	0.7	34.3	6.2	73.
20.0	64.7	4574.0	450.0	-16.1	-24.0	235.0	9.7	8.0	5.6	323.0	327.1	1.2	50.5	6.9	70.
21.0	64.0	4007.4	425.0	-19.6	-30.5	240.0	10.5	9.1	5.3	323.8	327.1	1.2	50.5	6.9	70.
22.0	71.4	7400.3	400.0	-23.3	-47.4	217.9	11.3	7.0	8.9	324.7	325.2	0.1	37.0	10.7	68.
23.0	73.2	7020.0	375.0	-25.1	-46.9	197.7	10.8	3.3	10.3	327.1	327.7	0.1	37.0	10.7	68.
24.0	79.2	8414.4	350.0	-28.4	-40.3	191.1	12.1	2.8	11.9	329.1	330.3	0.3	32.2	12.7	63.
25.0	73.0	8940.5	325.0	-34.0	-41.3	193.4	14.9	3.5	14.5	329.9	331.0	0.3	32.2	13.9	52.
26.0	87.0	9460.0	300.0	-37.8	-47.3	189.0	14.8	2.3	14.6	330.0	332.7	0.2	32.2	14.7	50.
27.0	91.4	10000.4	275.0	-42.8	-49.9	186.4	15.8	4.5	15.1	333.3	333.3	0.2	32.2	16.0	50.
28.0	94.2	10726.9	250.0	-47.1	-49.9	195.4	14.7	4.0	14.2	335.2	335.2	0.2	32.2	17.0	48.
29.0	101.0	11614.0	225.0	-52.0	-49.9	195.4	13.4	6.4	11.8	337.9	337.9	0.2	32.2	18.0	43.
30.0	106.5	12167.1	200.0	-54.0	-49.9	198.1	10.7	3.3	10.1	342.0	342.0	0.2	32.2	21.0	40.
31.0	118.5	13003.7	175.0	-59.0	-49.9	210.5	12.9	7.7	10.4	342.0	342.0	0.2	32.2	23.0	40.
32.0	125.5	14111.2	150.0	-58.3	-49.9	270.4	12.5	12.4	-1.0	347.6	347.6	0.2	32.2	27.0	41.
33.0	133.0	16501.0	125.0	-58.3	-49.9	270.4	12.5	7.0	-1.1	349.4	349.4	0.2	32.2	29.0	40.
34.0	140.5	14277.1	100.0	-61.8	-49.9	207.0	4.0	4.3	-2.3	400.9	400.9	0.2	32.2	29.0	40.
35.0	148.7	20814.4	75.0	-62.5	-49.9	193.2	2.5	0.6	2.4	439.7	439.7	0.2	32.2	29.0	40.
36.0	155.7	20814.4	50.0	-50.8	-49.9	70.0	0.0	-2.9	-0.8	509.0	509.0	0.2	32.2	29.0	40.
37.0	155.7	20814.4	25.0	-49.6	-49.9	93.0	5.0	-3.0	0.3	642.4	642.4	0.2	32.2	29.0	40.

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 0 BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 0 DEG

STATION NO. 353
OKLAHOMA CITY, OKLAHOMA

27 MAY 1977
2300 GMT

TIME MIN	CNTCT	HEIGHT GDM	PRSS MB	TEMP DEG C	DEW PT DEG C	DIR ANG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PWT T DG K	F PWT T DG K	MH RTO GP/KG	SM PCT	RANGE KM	AZ DG
0.0	0.0	102.0	960.7	26.1	20.0	160.0	6.2	-2.1	5.8	302.7	344.2	15.5	69.0	0.0	0.
00.0	00.0	99.9	1000.0	59.9	99.9	99.9	99.9	99.9	99.9	99.9	990.9	99.9	99.9	999.9	999.9
00.0	00.0	99.9	975.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	990.9	99.9	99.9	999.9	999.9
0.4	10.3	401.2	500.0	25.4	20.2	167.9	7.4	-1.6	7.4	303.3	345.9	15.9	71.2	0.4	366.
1.4	12.5	724.0	525.0	23.5	19.0	171.7	6.4	-1.2	6.3	303.4	345.0	15.2	75.9	0.7	367.
2.2	14.9	945.4	000.0	21.4	18.8	171.9	9.1	0.6	9.1	303.6	344.9	15.4	85.0	1.2	351.
3.1	17.0	1209.0	475.0	18.3	16.9	165.4	9.2	2.4	9.9	302.8	340.5	14.0	91.2	1.7	354.
4.1	19.5	1457.7	440.0	16.3	15.2	207.2	9.9	4.5	9.9	303.2	338.1	12.9	92.4	2.2	3.
5.1	21.7	1712.0	825.0	14.5	13.9	217.7	12.0	7.3	9.5	304.0	337.2	12.2	95.8	2.8	9.
6.4	24.1	1072.1	800.0	12.9	11.6	227.2	12.9	9.5	9.4	304.5	334.1	10.8	94.3	3.4	12.
7.4	26.4	2214.9	775.0	11.3	9.4	218.1	12.7	7.8	10.0	306.0	332.6	9.6	87.9	4.4	23.
8.5	28.1	2512.0	740.0	10.8	7.9	207.2	9.7	4.5	4.6	309.3	327.6	6.8	82.1	5.1	25.
9.6	31.7	1725.5	725.0	9.2	-0.7	206.8	9.1	4.1	9.1	309.6	324.2	5.0	45.7	5.6	24.
10.9	34.4	1084.4	700.0	7.0	-1.6	221.4	10.5	7.2	7.7	310.3	322.6	4.2	46.7	6.3	25.
12.1	36.9	1793.4	675.0	4.9	-4.6	224.7	11.5	9.7	5.8	311.1	323.1	4.0	50.2	7.1	25.
13.4	39.2	1492.4	650.0	2.0	-10.1	224.4	11.1	10.7	7.4	311.3	319.6	2.7	40.1	7.9	32.
14.7	42.4	407.0	625.0	-0.1	-16.9	227.2	14.8	12.5	9.0	312.3	317.5	1.6	27.1	9.0	34.
15.7	45.7	4332.9	500.0	-1.4	-22.1	245.1	16.9	15.5	6.8	314.6	314.1	1.1	12.8	9.9	37.
17.0	4.1	647.0	575.0	-4.7	-23.6	257.1	16.7	16.3	3.7	314.4	317.7	1.0	21.2	10.9	41.
18.4	51.1	5016.0	550.0	-6.8	-25.7	254.6	17.6	17.1	4.0	315.1	316.9	0.9	26.4	12.1	45.
19.8	54.4	5378.3	525.0	-8.5	-28.2	256.6	17.8	17.3	4.1	319.2	320.6	0.7	18.3	13.5	48.
21.4	57.4	5755.4	500.0	-10.4	-30.9	263.1	17.2	17.2	0.2	320.4	322.4	0.6	16.8	14.8	52.
23.1	50.7	6149.7	475.0	-13.4	-31.4	270.5	19.4	18.3	-0.8	321.4	323.4	0.6	20.3	16.1	56.
24.4	44.2	4444.0	450.0	-17.0	-32.7	275.9	20.0	16.9	-2.1	321.9	323.7	0.5	23.4	17.6	59.
25.3	47.6	4084.4	425.0	-19.4	-35.8	283.2	23.5	23.4	-4.2	324.1	325.6	0.4	21.6	19.3	64.
27.9	71.0	7432.0	400.0	-22.4	-38.4	291.0	29.4	24.9	-4.9	325.4	326.7	0.7	22.4	21.3	67.
29.7	75.0	7000.6	375.0	-27.5	-42.4	292.3	24.7	24.2	-5.2	325.2	326.0	0.2	22.6	23.7	71.
31.4	76.0	4331.3	350.0	-31.4	-45.6	297.7	22.2	20.9	-7.5	326.1	326.7	0.2	22.4	25.8	74.
33.5	82.8	4912.4	325.0	-35.9	-50.0	294.7	25.2	23.1	-10.1	327.9	327.6	0.1	21.7	28.0	78.
35.4	87.0	9442.4	300.0	-40.8	-54.9	294.7	31.1	28.2	-13.0	327.9	327.6	0.1	21.7	28.0	78.
37.4	91.7	10049.5	275.0	-44.9	-59.9	297.9	37.7	31.6	-12.1	330.2	327.9	0.3	21.7	34.3	85.
39.4	96.4	10474.4	250.0	-48.4	-64.9	297.5	33.3	31.7	-10.0	332.7	327.9	0.5	21.7	34.3	85.
42.1	101.4	11344.8	225.0	-53.5	-69.9	277.1	29.9	29.7	-3.3	336.5	327.9	0.9	21.7	34.3	85.
44.4	107.0	12117.2	200.0	-55.0	-72.4	274.4	24.7	29.7	-1.2	336.5	327.9	0.9	21.7	34.3	85.
47.2	112.4	12947.4	175.0	-58.0	-75.4	274.4	25.6	25.5	-2.4	334.2	327.9	0.9	21.7	34.3	85.
50.1	119.4	13924.0	150.0	-60.2	-78.9	281.6	20.9	20.5	-4.2	366.3	327.9	0.9	21.7	34.3	85.
53.7	124.7	14053.7	125.0	-67.1	-99.9	292.0	13.1	12.1	-5.1	360.9	327.9	0.9	21.7	34.3	85.
56.1	134.3	14400.0	100.0	-64.0	-99.9	302.5	5.4	4.5	-2.9	402.3	327.9	0.9	21.7	34.3	85.
61.8	142.3	15146.4	75.0	-63.5	-99.9	47.4	4.2	-3.1	-2.8	439.4	327.9	0.9	21.7	34.3	85.
71.9	150.3	20714.0	50.0	-58.2	-99.9	351.1	9.9	0.9	-5.8	506.5	327.9	0.9	21.7	34.3	85.
84.9	159.0	25142.4	25.0	-49.6	-99.9	119.8	3.5	-3.0	1.7	641.9	327.9	0.9	21.7	34.3	85.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN A AND 13 DEG
* BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED
** BY TEMP MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 437
SALEM, ILL IN 315

27 MAY 1977
2300 GMT

TIME MIN	CHVCT	WGTCHT GSM	WDCS MM	TEMP DG C	NEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	DPT T CG K	F PCT T DG K	MX RTD CM/KG	RM FCT	RANGE KM	AZ CG
0.0	4.1	175.0	987.4	70.0	17.7	140.0	1.4	-1.0	1.2	304.2	331.8	10.1	37.0	135	59.0
00.9	99.9	60.0	1000.0	99.9	99.9	99.9	99.9	53.0	99.9	97.6	999.9	99.9	999.9	999.9	0.0
0.3	7.1	240.4	575.0	24.5	17.2	153.4	2.4	-1.1	2.3	303.4	326.2	5.2	26.7	999.9	0.0
1.2	0.0	170.4	940.0	26.4	11.7	159.2	3.2	-1.1	3.0	304.1	326.3	9.1	26.5	0.1	297.0
2.0	10.4	744.2	624.0	24.3	11.4	141.3	7.6	-1.1	7.4	304.1	326.6	5.2	44.5	0.2	243.0
3.0	12.4	697.1	900.0	22.0	10.7	144.0	1.9	-1.1	3.7	304.2	329.2	9.1	48.7	0.4	342.0
3.7	14.9	1337.0	975.0	19.4	10.3	147.4	3.4	-1.1	2.9	304.4	329.4	9.1	54.2	0.4	342.0
4.4	15.7	1444.1	853.0	17.9	9.9	147.4	3.4	-1.1	2.9	304.4	329.4	9.1	54.2	0.4	342.0
4.9	14.9	1440.4	853.0	16.4	9.5	147.4	3.4	-1.1	2.9	304.4	329.4	9.1	54.2	0.4	342.0
5.0	20.4	1000.5	400.0	12.2	8.7	176.3	3.4	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
7.2	23.0	2245.2	775.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
7.2	23.0	2245.2	775.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
9.5	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
10.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
11.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
12.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
13.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
14.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
15.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
16.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
17.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
18.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
19.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
20.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
21.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
22.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
23.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
24.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
25.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
26.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
27.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
28.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
29.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
30.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
31.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
32.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
33.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
34.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
35.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
36.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
37.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
38.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
39.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
40.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
41.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
42.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
43.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
44.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
45.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
46.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
47.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
48.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
49.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0
50.4	27.4	781.4	724.0	9.4	7.4	176.3	5.7	-2.0	3.2	304.2	326.6	5.0	55.5	0.4	378.0

BY SPEED MEANS ELEVATION ANGLE BETWEEN E AND 10 DEG
BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 451
ODDGE CITY, KANSAS27 MAY 1977
2315 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTD GM/KG	FM PCT	RANGE KM	AZ DG
0.0	12.4	791.0	914.0	27.2	13.9	200.0	4.2	1.4	3.9	308.0	338.5	11.0	44.0	0.0	0.
00.9	09.0	96.9	1000.0	59.9	59.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
01.0	09.0	99.0	973.0	59.9	59.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02.0	09.0	99.0	940.0	59.9	59.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
03.0	09.0	99.0	925.0	59.9	59.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
04.0	13.9	945.4	903.0	22.7	12.4	215.3	3.9	2.2	3.2	105.0	332.7	10.1	51.9	0.2	41.
1.1	15.9	1100.4	875.0	21.4	12.4	202.9	4.4	1.7	4.0	104.4	335.4	10.7	52.0	0.3	32.
1.6	15.9	1440.4	850.0	19.5	11.7	189.6	4.6	1.7	4.6	105.5	335.8	10.3	54.9	0.5	29.
2.7	20.5	1454.1	825.0	14.0	10.9	190.1	4.7	0.8	4.7	105.5	333.2	10.0	71.9	0.8	21.
3.5	20.8	1437.1	800.0	13.6	10.1	174.9	4.5	1.3	4.3	105.7	332.6	5.9	75.1	1.0	20.
4.1	24.2	1424.1	775.0	11.4	10.1	214.0	5.5	1.1	4.6	106.0	332.4	10.1	92.2	1.2	20.
4.5	25.5	1457.5	750.0	5.4	-1.7	232.9	6.7	7.0	5.7	106.7	320.0	4.6	46.6	1.6	28.
4.9	30.0	1457.4	725.0	7.6	-9.4	238.9	12.2	10.5	6.7	107.4	315.3	2.9	27.8	2.3	37.
7.6	32.6	1455.2	700.0	4.9	-11.2	243.1	12.7	11.3	5.7	107.9	314.9	2.3	30.2	3.1	43.
8.4	34.2	1450.0	675.0	2.0	-12.0	244.7	12.4	11.9	4.7	107.9	314.7	2.1	34.5	3.9	48.
9.9	37.7	1443.5	650.0	-0.0	-15.1	243.9	14.5	14.0	4.0	104.3	314.5	1.4	31.0	4.7	53.
11.1	42.4	1454.5	625.0	-2.1	-20.0	250.7	17.2	14.2	5.7	110.1	314.0	1.2	23.7	5.8	57.
12.2	47.0	1452.9	600.0	-3.5	-23.4	246.0	18.3	16.7	7.5	112.1	315.2	1.0	15.6	7.0	55.
13.4	49.0	1454.3	575.0	-4.4	-25.7	244.1	17.4	15.9	7.4	112.5	315.2	0.8	15.0	8.4	60.
14.6	49.0	1451.2	550.0	-7.8	-29.5	240.2	20.1	17.4	10.0	114.8	314.8	0.6	15.5	9.6	60.
15.2	51.5	1453.1	525.0	-9.0	-31.6	243.0	14.0	14.3	7.3	118.8	320.6	0.5	12.9	11.4	60.
17.9	45.9	1410.7	500.0	-11.1	-33.4	254.1	14.5	14.2	3.0	119.4	321.1	0.4	12.7	12.9	61.
19.5	57.3	1410.7	475.0	-14.8	-35.6	272.7	17.5	17.5	-0.4	119.4	321.0	0.4	15.0	14.2	64.
21.0	51.3	1417.2	450.0	-14.4	-35.9	275.4	25.0	24.3	-2.4	120.1	321.4	0.4	17.9	15.8	67.
22.8	63.7	1431.4	425.0	-21.7	-36.6	271.7	24.1	24.1	-0.9	121.2	322.6	0.4	24.3	18.4	71.
24.5	69.0	1444.3	400.0	-25.4	-39.2	268.6	29.0	24.0	0.7	121.9	323.0	0.3	26.2	21.2	74.
24.7	71.5	1440.5	375.0	-29.1	-43.0	241.5	31.1	30.7	4.6	123.1	323.9	0.2	24.5	24.3	75.
24.1	75.3	1438.1	350.0	-33.2	-46.5	240.5	30.0	29.6	4.9	123.9	323.5	0.2	24.7	27.7	76.
29.7	70.1	1457.6	325.0	-37.9	-49.9	260.5	32.1	32.1	0.2	124.4	324.4	99.9	99.9	30.5	77.
31.5	81.3	1450.5	300.0	-42.1	-49.9	270.2	36.5	36.0	-5.8	125.1	325.1	99.9	99.9	34.0	78.
34.9	87.5	1443.2	275.0	-47.0	-49.9	281.5	43.0	42.1	-8.7	127.2	327.2	99.9	99.9	39.4	82.
35.1	92.2	1450.9	250.0	-49.8	-49.9	241.2	39.0	39.1	-7.7	132.0	329.9	99.9	99.9	44.0	84.
34.5	94.4	1454.6	225.0	-51.3	-49.9	270.5	34.4	34.4	-0.3	140.0	329.9	99.9	99.9	50.0	84.
41.1	102.0	1458.6	200.0	-51.7	-49.9	270.2	21.0	21.0	-3.1	151.0	329.9	99.9	99.9	54.7	86.
44.4	107.4	1451.4	175.0	-56.4	-49.9	254.0	16.7	16.0	4.6	160.1	329.9	99.9	99.9	57.6	86.
45.0	111.7	1450.1	150.0	-56.7	-49.9	241.5	24.8	24.5	3.6	172.5	329.9	99.9	99.9	62.2	85.
52.0	120.3	1450.7	125.0	-61.3	-49.9	245.3	13.4	12.9	-3.5	184.1	329.9	99.9	99.9	66.8	85.
54.4	127.7	1449.9	100.0	-63.4	-49.9	245.7	3.5	3.2	1.3	185.1	329.9	99.9	99.9	68.2	86.
62.5	134.7	1450.1	75.0	-62.5	-49.9	149.3	4.4	-0.4	4.2	142.6	329.9	99.9	99.9	69.6	85.
70.4	143.3	1452.9	50.0	-54.5	-49.9	44.4	5.7	-4.0	-4.1	150.7	329.9	99.9	99.9	72.1	85.
74.4	152.0	1454.4	25.0	-51.4	-49.9	90.4	6.7	-6.7	0.1	167.0	329.9	99.9	99.9	73.0	86.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OF TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 436
 TOPEKA, KANSAS

 27 MAY 1977
 2300 GMT

TIME MIN	CNTCT	HEIGHT GMS	PRES MM	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SFC	U COMP M/SEC	V COMP M/SEC	PRT Y DG K	F PRT Y DG K	MX RTO GP/KG	RH FCY	RANGE KM	AZ DG
00	00.3	265.0	973.5	26.1	14.6	200.0	5.2	1.9	4.0	301.4	334.5	12.3	54.0	0.0	0.
00.9	00.3	90.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.9	00.3	275.4	975.0	25.9	16.4	209.0	5.1	2.5	4.4	301.2	333.9	12.1	55.7	0.1	25.
1.1	10.8	400.4	950.0	23.6	14.9	230.5	4.3	3.4	1.9	301.1	331.0	11.3	54.4	0.5	137.
2.1	13.0	732.8	925.0	21.5	14.0	227.1	4.9	3.4	3.3	301.3	331.0	11.0	62.5	0.5	124.
7.1	15.1	942.8	900.0	19.2	13.4	217.9	4.7	2.0	3.7	301.3	330.5	10.8	69.1	0.6	95.
4.0	17.3	1211.4	875.0	17.0	13.1	212.7	4.4	2.6	4.1	301.5	330.9	10.9	77.5	0.6	79.
4.9	19.9	1456.5	850.0	14.4	12.2	222.4	4.0	3.0	4.3	301.7	329.9	10.6	87.1	1.0	67.
7.8	22.1	1710.4	825.0	12.0	11.0	233.1	7.1	4.7	4.3	301.3	328.6	10.1	93.4	1.4	63.
6.5	24.5	1942.6	800.0	10.4	9.4	236.5	4.1	4.8	4.5	302.2	327.7	9.3	92.9	1.7	61.
7.5	26.8	2217.3	775.0	9.4	8.7	239.3	10.9	7.4	5.5	304.0	329.3	9.2	94.4	2.2	60.
9.4	29.7	2502.7	750.0	7.1	5.1	242.4	12.9	11.3	5.9	304.3	326.3	7.9	92.2	3.8	61.
9.7	31.2	2787.1	725.0	4.4	-5.1	246.0	12.5	11.0	5.9	305.9	316.7	7.7	46.5	3.9	61.
10.4	34.8	3070.4	700.0	4.4	-19.6	246.0	11.0	10.0	4.5	309.5	312.1	1.2	14.4	4.6	61.
12.2	36.9	3462.2	675.0	3.2	-19.6	247.1	11.4	10.9	4.6	309.2	313.0	1.2	16.8	5.5	62.
13.4	39.7	3870.7	650.0	0.0	-22.8	244.1	12.3	11.1	5.7	309.0	312.1	1.0	16.3	6.4	63.
14.4	42.2	4251.2	625.0	-1.8	-25.5	243.4	11.4	10.2	5.1	310.4	310.6	0.1	1.1	7.4	63.
14.0	43.0	4704.8	600.0	-3.0	-31.8	244.1	12.0	10.8	5.2	312.7	312.9	0.1	1.0	8.2	63.
17.2	47.8	4942.7	575.0	-5.7	-37.2	250.4	12.3	11.6	4.1	313.8	314.0	0.0	1.0	9.1	63.
14.6	50.5	4942.9	550.0	-6.6	-45.3	255.5	13.2	12.4	3.3	313.9	314.1	0.0	1.0	10.2	65.
20.1	53.5	4345.0	525.0	-10.7	-56.7	245.1	17.1	13.0	5.3	315.5	315.7	0.0	1.0	11.4	65.
21.6	56.4	4721.2	500.0	-12.4	-57.9	256.6	13.3	11.1	7.3	317.6	317.7	0.0	1.0	12.2	65.
23.0	59.5	4111.2	475.0	-14.4	-59.3	255.0	12.5	13.2	7.2	319.7	319.8	0.0	1.0	13.6	66.
24.6	62.4	4518.1	450.0	-17.6	-61.1	245.5	12.4	11.3	3.6	321.2	321.2	0.0	1.0	14.7	64.
24.3	65.9	4942.4	425.0	-20.7	-63.1	244.1	13.3	12.4	3.6	322.5	322.6	0.0	1.0	15.1	65.
24.2	68.1	4748.1	400.0	-24.4	-62.5	237.0	13.6	11.4	7.4	322.9	322.9	0.0	2.9	17.5	65.
29.9	73.4	4942.4	375.0	-28.3	-66.0	209.7	14.9	7.4	13.0	324.2	325.8	0.0	47.0	18.5	63.
31.8	76.2	4748.4	350.0	-32.0	-75.4	191.4	18.0	3.6	17.6	325.6	327.5	0.5	71.0	20.2	59.
33.4	80.0	4444.1	325.0	-35.4	-82.0	181.5	21.3	3.6	21.3	327.7	328.9	0.3	51.3	21.5	55.
35.7	83.9	4417.1	300.0	-36.4	-85.1	177.9	24.8	-0.3	24.4	329.7	330.5	0.2	51.1	23.4	45.
37.9	87.8	10002.7	275.0	-43.7	-99.9	174.1	23.6	-2.5	21.7	332.0	332.0	0.0	99.9	25.4	43.
40.2	92.4	10410.0	250.0	-49.0	-99.9	169.7	24.0	-4.3	23.4	333.3	333.3	0.0	99.9	27.6	38.
43.0	97.0	11222.5	225.0	-53.6	-99.9	171.3	21.7	-3.3	21.4	336.4	336.4	0.0	99.9	29.3	32.
45.6	101.8	12074.8	200.0	-57.0	-99.9	177.5	18.8	-0.4	19.4	342.6	342.6	0.0	99.9	32.8	29.
49.4	107.5	12917.4	175.0	-60.5	-99.9	200.3	14.9	7.3	13.0	341.9	341.9	0.0	99.9	35.7	27.
52.3	113.5	13900.5	150.0	-60.1	-99.9	205.2	13.5	13.1	3.5	344.2	344.2	0.0	99.9	38.1	29.
56.3	120.3	15024.1	125.0	-59.5	-99.9	259.9	7.8	7.7	1.0	347.1	347.1	0.0	99.9	39.9	32.
61.5	125.0	16410.2	100.0	-61.3	-99.9	255.2	3.2	3.1	-0.8	409.1	409.1	0.0	99.9	40.7	34.
67.3	136.4	18148.2	75.0	-63.6	-99.9	175.1	2.5	-3.2	2.5	479.5	479.5	0.0	99.9	40.6	34.
75.0	145.0	23710.1	50.0	-66.9	-99.9	140.0	5.7	-5.5	-0.4	509.4	509.4	0.0	99.9	39.2	33.
89.0	154.7	24147.7	25.0	-51.2	-99.9	87.7	6.1	-4.2	-0.7	637.8	637.8	0.0	99.9	36.2	26.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 7 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

 ORIGINAL PAGE IS
 OF POOR QUALITY

STATION NO. 537
PEORIA, ILLINOIS27 MAY 1977
2300 GMT

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GP/KG	RM PCT	RANGE KN	AZ DEG
0.0	6.8	200.0	955.0	30.0	9.0	150.0	4.2	-2.1	3.6	304.5	324.9	7.3	27.0	0.0	0.
00.0	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.4	7.5	291.3	975.0	30.3	6.5	999.9	99.9	99.9	99.9	305.6	323.4	6.3	95.9	959.9	959.9
1.3	9.5	521.5	950.0	26.8	3.0	999.9	999.9	99.9	99.9	304.7	318.7	5.0	21.6	999.9	999.9
2.5	11.2	755.7	925.0	24.9	3.7	999.9	999.9	99.9	99.9	304.7	320.1	5.4	25.3	999.9	999.9
3.6	13.2	994.7	900.0	22.5	3.4	999.9	999.9	99.9	99.9	304.7	320.4	5.5	28.9	999.9	999.9
4.5	15.1	1238.7	875.0	20.6	3.2	999.9	999.9	99.9	99.9	305.2	320.9	5.5	31.7	999.9	999.9
5.7	16.9	1497.8	850.0	17.8	1.7	999.9	999.9	99.9	99.9	304.8	319.4	5.1	32.8	999.9	999.9
6.9	19.0	1742.1	825.0	15.2	3.7	999.9	999.9	99.9	99.9	304.7	321.9	6.1	45.0	999.9	999.9
7.9	20.9	2002.1	800.0	13.0	3.2	999.9	999.9	99.9	99.9	305.0	322.1	6.1	51.5	999.9	999.9
9.0	21.0	2257.6	775.0	10.2	0.4	999.9	999.9	99.9	99.9	304.8	319.4	5.1	50.6	999.9	999.9
10.1	25.2	2519.7	750.0	8.4	-10.5	999.9	999.9	99.9	99.9	305.8	312.9	2.4	25.1	999.9	999.9
11.1	27.3	2819.5	725.0	7.5	-25.4	999.9	999.9	99.9	99.9	308.0	311.0	0.7	7.0	999.9	999.9
12.2	29.5	3109.5	700.0	6.9	-21.4	999.9	999.9	99.9	99.9	310.2	313.3	1.0	11.1	999.9	999.9
13.4	31.0	4406.0	675.0	5.6	-18.0	999.9	999.9	99.9	99.9	311.9	316.3	1.4	16.4	999.9	999.9
14.7	34.3	5717.5	650.0	3.9	-24.0	999.9	999.9	99.9	99.9	313.4	315.7	0.7	9.0	999.9	999.9
15.8	36.6	6010.6	625.0	1.4	-30.2	999.9	999.9	99.9	99.9	314.3	315.9	0.5	7.2	999.9	999.9
17.0	39.1	6387.4	600.0	-1.0	-31.2	999.9	999.9	99.9	99.9	315.0	316.6	0.5	2.0	999.9	999.9
19.3	41.4	6695.9	575.0	-2.9	-24.4	182.9	9.6	0.5	9.6	316.7	319.7	0.9	17.0	8.0	344.
10.6	44.1	5045.1	550.0	-5.4	-26.8	167.7	10.0	-2.1	9.8	317.4	320.0	0.8	16.9	8.7	345.
20.9	45.9	5409.0	525.0	-8.2	-28.8	159.8	9.6	-3.3	9.0	318.6	320.8	0.7	17.1	9.5	345.
22.3	49.7	4745.3	500.0	-10.5	-33.7	171.4	9.0	-1.1	7.9	320.2	321.8	0.4	12.8	10.3	345.
23.8	52.4	4174.0	475.0	-13.4	-35.6	182.5	7.4	0.3	7.4	321.4	322.8	0.4	13.3	10.9	345.
25.3	55.7	4544.0	450.0	-16.7	-33.1	181.1	7.7	0.2	7.7	322.3	324.1	0.5	22.7	11.6	346.
25.9	55.3	7014.8	425.0	-19.7	-30.4	185.1	5.9	0.5	5.9	323.7	326.3	0.8	40.9	12.2	347.
24.6	61.5	7447.9	400.0	-22.4	-26.0	191.2	7.4	1.4	7.3	325.3	329.2	1.1	74.8	12.8	348.
26.3	64.9	7933.0	375.0	-26.2	-34.0	185.9	10.7	2.1	10.7	327.0	329.0	0.9	47.4	13.6	350.
28.1	68.1	8428.6	350.0	-30.0	-41.8	189.4	12.7	2.2	12.6	328.4	329.4	0.3	31.5	14.9	351.
34.0	71.6	8051.5	325.0	-34.7	-45.7	196.9	13.3	3.9	12.7	328.6	329.5	0.2	31.5	16.2	353.
35.0	75.5	9404.6	300.0	-39.7	-49.9	194.6	14.0	3.5	13.5	329.5	329.9	0.9	95.9	17.7	355.
39.2	73.5	10093.0	275.0	-44.4	-49.9	194.1	15.3	3.7	14.8	331.0	329.9	0.9	95.9	19.5	357.
40.4	81.7	10725.0	250.0	-44.9	-49.9	197.2	12.7	3.7	12.1	333.3	329.9	0.9	95.9	21.4	359.
42.0	88.2	11428.4	225.0	-54.7	-49.9	195.5	8.4	2.3	8.1	334.7	329.9	0.9	95.9	22.8	360.
45.6	93.2	12157.3	200.0	-59.5	-49.9	207.7	6.6	3.0	5.8	338.6	329.9	0.9	95.9	24.0	1.
49.4	92.5	12990.9	175.0	-62.9	-49.9	275.7	3.9	3.9	-0.4	346.2	329.9	0.9	95.9	24.6	2.
52.0	104.5	17034.5	150.0	-50.1	-49.9	339.5	3.2	1.2	-3.0	366.6	329.9	0.9	95.9	24.2	2.
56.2	111.3	15032.4	125.0	-58.8	-49.9	291.1	1.7	3.4	-1.5	388.5	329.9	0.9	95.9	23.7	4.
61.1	119.4	14474.0	100.0	-60.9	-49.9	323.1	4.3	2.6	-3.5	410.1	329.9	0.9	95.9	23.8	6.
67.4	125.5	14254.2	75.0	-62.4	-49.9	72.4	5.6	-5.4	-1.7	442.1	329.9	0.9	95.9	22.6	3.
74.8	142.0	2013.8	50.0	-55.9	-49.9	74.6	6.1	-5.9	-1.6	511.7	329.9	0.9	95.9	21.5	357.
85.0	156.0	25277.1	25.0	-52.4	-49.9	999.9	999.9	99.9	99.9	633.6	329.9	0.9	95.9	21.3	343.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 553
 OMAHA, NEBRASKA

 27 MAY 1977
 2300 GMT

TIME MIN.	CNTCT	HEIGHT GPH	PREC MM	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PST Y DG K	E POT Y DG K	MX H2O GPH/KG	RM PCT	RANGE KM	AZ DG
0.0	9.6	407.0	555.3	22.1	15.5	190.0	4.2	0.0	4.2	296.9	329.7	11.6	66.0	0.0	0.
00.9	00.9	00.0	1000.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0
0.1	10.4	444.5	550.0	21.1	14.5	326.7	2.5	1.0	-2.3	296.6	329.9	00.0	00.0	0.4	4.
0.5	12.5	714.0	925.0	19.2	14.5	273.8	2.1	2.1	-0.1	299.9	329.1	11.3	74.2	0.4	4.
1.5	14.8	950.7	500.0	17.1	14.6	213.5	5.6	3.1	4.7	299.1	330.3	11.7	62.0	0.5	12.
2.7	15.9	1100.7	875.0	15.7	11.1	216.8	7.7	4.6	6.2	300.1	325.9	9.5	74.4	0.8	21.
3.3	19.3	1475.4	850.0	14.3	9.7	216.0	7.2	4.3	6.9	301.2	325.5	8.9	72.6	1.3	27.
4.4	21.5	1593.0	825.0	14.5	6.8	196.4	4.7	1.3	4.5	303.9	325.0	7.6	60.0	1.6	26.
5.7	24.0	1949.4	800.0	12.6	4.5	190.1	3.2	0.6	3.2	304.6	323.2	6.6	58.0	1.9	26.
5.1	26.3	2214.2	775.0	11.0	1.8	198.9	2.4	0.8	2.2	305.6	321.7	5.7	53.2	2.0	25.
7.1	34.9	2487.1	750.0	9.5	-2.2	240.4	4.7	4.1	2.3	306.8	319.5	4.4	44.0	2.1	27.
9.2	34.1	2050.2	700.0	4.7	-3.7	247.9	7.4	6.8	2.8	307.4	319.1	4.0	45.7	2.4	32.
10.7	35.7	2350.5	675.0	2.2	-1.4	244.5	9.2	8.7	4.0	307.7	322.0	5.0	64.9	2.9	32.
11.5	39.4	2484.8	650.0	-0.2	-3.0	238.8	9.7	8.3	5.0	308.1	323.3	5.3	79.1	3.5	43.
12.6	42.1	2968.1	625.0	-1.9	-10.2	229.1	9.3	8.0	4.7	310.3	318.9	2.8	53.0	4.8	47.
13.9	45.0	4701.7	600.0	-4.1	-16.6	216.4	11.2	9.3	6.2	311.4	315.8	1.7	36.6	5.5	49.
14.0	47.9	4627.1	575.0	-4.7	-29.2	230.7	12.9	9.9	9.1	314.5	316.7	0.7	14.0	6.3	50.
16.4	50.0	4974.9	550.0	-7.4	-29.6	225.1	13.3	9.4	9.4	315.4	317.4	0.6	14.9	7.5	49.
17.7	54.0	5774.9	525.0	-10.4	-27.3	221.7	13.7	9.1	10.2	316.0	318.6	0.8	22.3	8.5	46.
19.0	57.0	5709.0	500.0	-12.4	-18.1	205.5	12.8	5.7	11.4	317.5	323.3	1.9	64.1	9.4	47.
20.4	60.3	6099.4	475.0	-14.2	-20.4	192.3	15.7	3.3	15.3	320.4	325.4	1.6	55.4	10.5	44.
21.0	63.9	6505.7	450.0	-16.6	-23.9	187.3	19.1	2.4	19.0	322.4	326.5	1.2	52.9	11.8	40.
23.3	67.1	6715.7	425.0	-19.9	-27.0	182.0	20.7	0.7	20.7	323.5	326.8	1.0	53.0	13.2	35.
24.0	70.9	7192.6	400.0	-21.5	-25.2	173.9	21.6	-2.3	21.5	324.5	328.6	1.2	66.1	14.6	31.
24.5	74.5	7450.9	375.0	-27.3	-32.4	171.6	23.8	-3.5	23.5	325.5	327.8	0.7	61.7	16.7	26.
29.2	78.5	8745.3	350.0	-29.7	-44.5	170.6	24.7	-4.0	24.4	326.9	326.5	0.2	21.6	18.8	22.
29.5	82.5	8949.9	325.0	-33.7	-42.8	167.9	26.5	-5.6	25.9	330.3	331.2	0.3	56.1	21.0	18.
31.7	94.7	9425.5	300.0	-35.1	-45.0	162.4	26.9	-4.1	25.6	331.6	332.5	0.2	48.0	23.5	14.
33.9	91.4	10017.4	275.0	-43.0	-49.0	160.4	27.1	-8.9	25.4	333.0	335.9	95.9	95.9	26.5	19.
34.0	95.2	10457.0	250.0	-48.3	-49.5	141.1	27.0	-8.7	25.5	334.3	339.9	95.9	95.9	29.5	7.
39.1	101.2	11119.6	225.0	-52.9	-49.9	133.3	27.6	-7.9	26.4	337.4	339.9	95.9	95.9	32.0	4.
41.0	107.0	12099.2	200.0	-57.8	-49.9	135.1	24.8	-6.4	24.0	341.2	339.9	95.9	95.9	37.2	2.
43.9	112.9	12031.6	175.0	-58.9	-49.9	190.0	18.7	3.2	18.4	352.8	339.9	95.9	95.9	41.0	1.
47.1	119.7	12001.1	150.0	-58.5	-49.9	219.4	9.9	6.3	7.6	369.4	339.9	95.9	95.9	43.1	2.
50.9	125.7	15055.5	125.0	-58.0	-49.5	223.9	6.6	4.6	4.8	390.0	339.9	95.9	95.9	44.6	4.
55.4	134.7	14454.0	100.0	-58.4	-49.9	216.5	3.4	2.0	2.8	414.8	339.9	95.9	95.9	45.6	5.
61.5	147.7	18249.9	75.0	-60.7	-49.9	264.6	3.4	3.4	0.1	445.7	339.9	95.9	95.9	48.5	4.
69.4	151.7	20905.2	50.0	-64.5	-49.9	303.7	6.4	5.3	-3.5	510.5	339.9	95.9	95.9	45.1	4.
91.0	160.0	25540.2	25.0	-51.1	-49.9	92.7	6.0	-6.0	0.3	637.7	339.9	95.9	95.9	44.8	357.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

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STATION NO. 562
 NORTH PLATTE, NEBRASKA

 2P MAY 1977
 2300 GMT

VIEW	CMC*	HEIGHT COM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	PK RTO GM/KG	RM FCT	150 RM KM	14. 0
0.0	14.1	847.0	904.6	23.0	7.5	310.0	1.5	0.8	-1.7	305.7	325.5	7.2	35.0	0.0	0.
00.0	92.9	1000.0	975.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
00.0	92.9	975.0	975.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
00.0	99.0	91.0	925.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
00.0	99.0	90.0	925.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.3	14.5	930.1	900.0	27.3	5.7	221.4	2.0	1.4	0.6	305.6	323.7	6.4	32.0	0.0	14.5
1.4	17.0	1174.5	975.0	20.4	4.6	238.7	0.6	0.6	-0.1	305.4	324.6	6.1	34.6	0.1	11.2
3.2	19.3	1474.1	970.0	18.4	2.9	238.7	0.6	0.5	0.3	305.4	322.3	5.0	36.1	0.1	10.3
3.1	21.5	1474.0	974.0	15.8	2.7	204.4	1.1	0.5	0.3	305.3	321.3	5.5	41.4	0.1	9.5
4.0	24.0	1944.9	800.0	13.0	1.5	231.0	2.4	1.4	1.5	305.1	320.3	5.3	45.4	0.2	6.5
4.9	24.2	2205.1	775.0	10.4	0.9	240.7	3.5	3.1	1.6	305.4	320.6	5.3	50.5	0.3	6.2
5.7	24.7	2477.5	745.0	4.1	-0.3	252.2	4.4	4.6	1.4	305.4	319.7	5.0	54.5	0.3	6.3
5.6	31.7	2744.4	724.0	5.6	-4.1	244.4	6.4	6.9	0.6	305.7	317.1	2.9	45.8	0.2	6.6
7.7	33.9	3047.4	705.0	1.5	-9.5	247.5	9.0	9.0	0.4	306.3	314.3	2.7	37.8	1.4	7.7
9.7	36.3	3376.1	675.0	1.7	-11.4	245.1	9.1	9.1	0.4	307.1	314.2	2.4	34.7	1.6	8.0
9.9	39.0	3688.0	645.0	-1.4	-12.7	257.1	9.9	9.7	2.2	307.4	314.0	2.2	41.7	2.5	8.0
11.9	41.4	3942.0	625.0	-4.1	-12.5	240.7	11.4	10.4	1.4	307.4	314.9	2.3	51.9	3.3	7.6
12.3	44.4	4270.0	600.0	-5.4	-13.6	255.0	10.6	10.3	2.8	309.5	312.7	1.4	24.6	4.2	7.7
13.5	47.3	4602.7	575.0	-7.2	-14.2	262.1	4.9	4.4	1.2	310.4	313.8	0.9	25.4	4.9	7.7
14.7	50.7	4944.2	552.0	-10.3	-17.4	262.7	9.4	9.5	1.3	311.8	314.2	0.7	22.5	5.5	7.8
15.0	53.1	5302.8	525.0	-12.9	-19.4	248.7	10.0	9.3	3.6	312.9	315.0	0.6	22.0	6.2	7.2
16.1	45.0	5677.0	502.0	-15.4	-21.9	273.2	10.0	7.6	6.6	314.0	315.3	0.5	22.1	6.9	7.6
16.3	45.1	6057.4	475.0	-18.0	-23.8	225.7	4.4	6.0	5.0	314.7	316.3	0.5	25.0	7.5	7.3
19.7	45.4	6457.4	450.0	-22.4	-26.7	245.9	4.2	7.4	3.3	315.1	316.4	0.4	25.7	8.1	7.1
21.3	45.7	6874.4	425.0	-24.4	-30.3	270.5	13.0	13.0	-0.1	317.7	316.4	0.2	20.0	9.0	7.3
23.1	45.1	7315.1	400.0	-27.7	-35.5	247.7	15.9	16.9	0.7	319.0	320.0	0.4	45.2	10.5	7.6
24.6	45.4	7774.2	375.0	-31.4	-36.2	255.4	15.5	18.9	4.4	320.1	322.0	0.4	76.1	12.3	7.6
24.3	45.3	8231.1	350.0	-35.0	-39.1	250.4	20.2	19.0	5.7	321.5	322.8	0.4	66.2	14.2	7.6
24.3	45.3	8772.0	325.0	-38.4	-43.3	252.1	13.4	14.3	5.0	321.4	322.4	0.4	99.9	16.9	7.5
24.3	45.2	9314.0	300.0	-44.3	-48.9	244.4	17.9	16.1	7.4	322.0	322.9	0.4	99.9	18.9	7.5
30.4	45.3	9822.1	275.0	-48.4	-53.9	233.0	17.3	13.4	10.4	325.2	322.9	0.4	99.9	21.0	7.3
34.4	45.3	10413.4	250.0	-48.7	-59.9	277.4	14.8	11.9	8.4	333.7	322.9	0.4	99.9	23.2	7.1
37.1	47.4	11211.4	225.0	-49.7	-55.0	225.1	12.7	9.0	9.0	342.4	322.4	0.4	99.9	24.9	6.9
38.4	104.4	11947.0	200.0	-49.1	-53.9	225.9	15.5	11.0	10.6	355.0	322.9	0.4	99.9	26.9	6.7
47.3	104.4	12844.4	175.0	-50.9	-57.0	241.4	15.1	13.3	7.2	355.8	322.9	0.4	99.9	30.1	6.6
47.0	114.7	13450.7	150.0	-51.9	-59.9	252.4	13.5	12.9	4.0	360.7	322.9	0.4	99.9	33.2	6.6
51.4	121.7	14094.4	125.0	-54.9	-59.9	274.4	7.0	7.5	5.0	392.0	322.0	0.4	99.9	36.2	6.6
54.3	126.7	14825.4	101.0	-56.7	-59.9	270.7	7.0	5.4	4.4	412.4	322.0	0.4	99.9	38.4	6.5
54.4	135.3	15522.0	75.0	-61.7	-55.5	140.7	7.4	0.0	1.4	444.5	322.0	0.4	99.9	39.9	6.5
73.7	147.7	20774.4	50.0	-55.0	-59.9	47.9	5.1	-5.1	-0.2	514.0	322.0	0.4	99.9	39.9	6.5
81.4	157.7	24274.0	25.0	-52.7	-59.9	43.4	7.3	-7.2	-0.4	633.5	322.0	0.4	99.9	39.9	6.5

 * BY SP-4 MEANS ELEVATION ANGLE BETWEEN P AND 15 DEG
 * BY TEND MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED
 ** BY SP-4 MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 654
MURON, SOUTH DAKOTA
27 MAY 1977
2300 GMT

TIME MIN	CMCT	WIGHT GPM	PPES W	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PNT T DG K	E PNT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	0.6	192.0	554.3	20.6	17.8	190.0	5.2	0.0	5.2	297.4	332.9	13.5	84.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.2	10.2	447.4	550.0	19.5	16.8	175.2	13.2	-1.1	13.2	297.0	330.7	12.8	84.3	0.3	353.
0.9	12.4	494.0	925.0	17.5	15.1	175.5	12.8	-0.8	12.8	297.2	328.1	11.8	86.1	0.6	354.
1.7	14.4	910.9	900.0	15.5	14.0	177.6	13.7	-0.6	13.7	297.5	327.2	11.2	86.8	0.6	354.
3.4	16.4	1149.9	875.0	13.7	12.0	183.1	12.4	0.7	12.4	298.1	325.3	10.2	85.5	1.8	359.
3.7	19.2	1414.5	950.0	12.6	10.3	187.5	10.3	1.3	10.2	299.5	324.6	9.4	85.3	2.4	359.
4.1	21.4	1445.4	925.0	11.8	10.2	188.4	10.2	1.5	10.1	301.1	322.2	7.7	72.8	2.8	1.
4.9	23.3	1927.4	800.0	9.7	4.9	191.0	12.1	2.3	11.9	301.6	320.4	6.9	71.7	3.4	2.
5.4	25.1	2186.1	775.0	8.7	3.2	194.1	11.1	2.7	10.8	303.1	320.6	6.3	68.7	3.9	4.
6.4	29.4	2487.0	750.0	7.0	1.9	195.2	9.6	2.5	9.3	304.2	320.7	5.9	65.8	4.4	5.
7.4	31.2	2771.1	725.0	5.1	1.3	201.2	10.0	3.6	9.3	305.0	321.6	5.8	76.9	4.9	6.
8.3	33.9	3070.8	700.0	2.7	0.9	209.6	10.0	4.9	8.7	305.5	321.1	5.9	85.2	5.4	8.
9.1	36.3	3314.5	675.0	0.6	-2.3	216.9	9.6	5.9	7.7	306.4	320.2	4.8	85.6	5.6	10.
10.2	39.1	3516.7	650.0	-1.4	-4.1	214.6	10.0	5.7	9.2	307.4	320.1	4.4	81.5	6.4	13.
11.2	41.7	3924.7	625.0	-3.5	-5.1	209.1	10.2	4.8	9.0	309.4	320.7	4.2	82.7	7.0	14.
12.2	44.6	4250.6	600.0	-5.7	-6.9	205.4	9.3	4.0	8.4	309.6	320.9	3.8	91.3	7.6	15.
13.2	47.4	4595.6	575.0	-7.6	-9.0	207.9	10.2	4.5	9.0	311.1	321.3	3.4	86.5	8.1	16.
14.1	50.4	4924.6	550.0	-9.9	-11.2	210.4	10.9	5.5	9.5	312.4	321.3	2.7	85.4	8.8	17.
15.1	53.3	5286.6	525.0	-11.4	-13.1	199.6	9.0	2.9	8.5	314.7	322.9	2.7	87.5	9.3	18.
16.2	56.1	5649.7	500.0	-13.2	-14.8	175.1	12.0	-0.5	11.9	317.0	324.5	2.4	87.2	10.0	17.
17.2	57.3	6043.2	475.0	-15.6	-17.0	165.3	16.0	-4.1	15.5	318.7	325.4	2.1	88.6	10.7	15.
18.3	59.5	6444.4	450.0	-17.2	-19.3	165.4	22.2	-5.5	21.5	321.6	328.0	2.0	51.1	11.8	12.
19.4	61.9	6833.1	425.0	-19.9	-21.5	167.0	24.7	-5.9	25.5	323.5	328.6	1.6	62.9	12.3	6.
20.7	69.1	7370.4	400.0	-22.7	-25.0	164.8	29.8	-7.6	29.0	325.6	329.7	1.2	60.8	15.2	6.
22.0	72.4	7800.9	375.0	-26.4	-28.9	161.8	29.8	-9.3	28.3	326.4	329.5	0.9	60.5	17.4	3.
23.2	75.3	8245.5	350.0	-30.4	-32.1	156.6	30.8	-12.3	28.3	327.5	330.4	0.7	64.3	19.5	0.
24.6	80.3	8614.5	325.0	-34.5	-37.8	155.5	34.2	-14.2	31.1	329.2	330.8	0.4	71.3	21.9	357.
25.9	84.0	9372.9	300.0	-38.7	-41.5	156.6	35.1	-13.9	32.2	330.8	330.8	99.9	95.9	24.5	255.
27.4	88.2	9844.0	275.0	-44.0	-46.0	156.0	35.5	-14.4	32.4	331.5	330.9	99.9	99.9	27.6	353.
29.1	92.7	10577.3	250.0	-48.7	-49.9	154.9	39.0	-16.5	35.3	333.7	330.9	99.9	95.5	31.1	351.
31.1	97.4	11281.4	225.0	-54.2	-55.9	157.5	38.9	-14.9	35.0	335.0	330.9	99.9	99.9	35.6	349.
33.1	102.2	12026.4	200.0	-57.9	-59.9	162.4	32.5	-9.8	31.0	341.2	330.9	95.9	95.9	40.1	348.
35.4	106.0	12872.2	175.0	-57.8	-59.9	177.9	21.2	-0.8	21.2	354.5	330.9	99.9	95.9	43.7	342.
37.8	113.8	13551.1	150.0	-56.5	-59.9	193.7	13.0	3.1	12.6	372.7	330.9	99.9	99.9	45.9	340.
40.9	120.5	14012.0	125.0	-57.0	-59.9	190.7	7.4	1.4	7.3	391.8	330.9	99.9	95.5	47.4	350.
44.6	128.0	14432.4	100.0	-56.4	-59.9	170.4	5.3	-0.9	5.2	418.7	330.9	99.9	99.9	49.0	350.
49.3	136.3	16219.9	75.0	-60.9	-59.9	138.0	3.8	-2.6	2.8	445.2	330.9	95.9	95.9	49.6	350.
55.9	144.3	20770.3	50.0	-65.8	-59.9	95.0	4.8	-4.8	0.4	512.1	330.9	99.9	99.9	50.4	345.
66.1	152.7	25230.1	25.0	-51.6	-59.9	999.9	99.9	99.9	99.9	636.6	330.9	99.9	99.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 62
RAPID CITY, SOUTH DAKOTA27 MAY 1977
2305 GMT

TIME MIN	CNCT	HEIGHT GCM	PEE'S MB	TEMP DG C	DEW PT DG C	DIR NG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	POT Y DG K	E POT T DG K	PR PTD GM/KG	RP PCT	RANGE KM	AZ DG
0.0	15.2	066.0	893.0	23.9	8.3	30.0	4.7	-3.3	-5.8	306.8	306.8	328.6	7.8	37.0	0.0	0.
0.9	09.0	09.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	09.0	09.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	09.0	09.0	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	09.0	09.0	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	09.0	09.0	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.4	15.5	1147.5	875.0	22.2	5.4	35.9	3.7	-2.2	-7.0	306.7	306.7	325.2	6.4	32.5	0.3	22.7
1.1	18.9	1104.1	850.0	15.9	4.5	47.7	4.1	-3.0	-2.1	306.4	306.4	323.6	6.3	31.5	0.4	22.5
2.0	21.0	1600.8	825.0	16.8	3.8	61.0	4.4	-3.8	-2.1	306.4	306.4	323.6	6.1	41.9	0.7	22.0
2.9	23.4	1611.2	800.0	14.4	2.3	69.1	4.4	-2.7	-2.0	306.5	306.5	322.7	5.7	42.9	0.9	23.3
3.7	25.7	2178.4	775.0	9.5	0.7	171.3	1.3	-0.2	1.3	307.3	307.3	322.0	5.2	42.0	0.9	23.0
4.6	28.1	2451.9	750.0	9.5	-0.7	210.4	2.4	1.3	2.1	307.9	307.9	320.8	4.8	42.0	0.9	23.0
5.4	30.6	2771.9	725.0	6.9	99.9	213.1	3.9	2.1	3.3	307.0	307.0	320.9	99.9	99.9	0.6	24.7
6.9	33.1	3018.3	700.0	4.2	99.9	220.1	5.3	7.4	4.1	307.1	307.1	320.9	99.9	99.9	0.4	27.4
9.2	35.6	3312.3	675.0	1.2	99.9	239.7	9.9	8.4	5.1	307.0	307.0	320.9	99.9	99.9	0.4	35.7
10.9	40.9	3626.4	650.0	-1.7	-5.0	247.1	12.7	12.2	3.5	307.1	307.1	315.9	3.0	27.1	1.2	54.
12.2	43.6	4285.4	600.0	-7.3	-10.0	245.4	11.1	10.3	4.7	307.7	307.7	316.5	2.0	25.0	3.0	63.7
14.6	46.7	4675.7	575.0	-9.4	-15.0	246.2	12.1	11.0	4.6	305.5	305.5	315.9	2.1	25.0	3.0	63.7
15.0	49.1	4917.9	550.0	-11.4	-25.2	245.7	10.4	9.5	4.3	310.6	310.6	313.5	0.9	30.2	4.9	64.
15.2	51.9	5274.5	525.0	-11.9	-30.9	245.7	10.4	9.5	4.3	314.1	314.1	315.6	0.5	12.7	5.8	64.
17.6	55.0	5645.2	500.0	-15.6	-33.5	243.1	11.0	9.8	5.0	314.1	314.1	315.6	0.4	19.7	6.6	64.
18.7	56.1	5059.0	475.0	-19.7	-35.0	239.1	9.2	7.9	4.7	314.8	314.8	316.1	0.4	15.5	7.3	64.
20.0	61.3	4420.9	450.0	-22.5	-38.3	242.0	6.0	5.3	2.8	314.9	314.9	316.0	0.3	22.0	7.9	64.
21.4	64.7	4945.7	425.0	-26.7	-41.2	247.9	6.3	5.8	2.4	315.5	315.5	316.3	0.2	22.6	8.3	64.
24.0	69.0	7201.6	400.0	-30.2	-43.7	249.0	8.5	7.9	3.0	315.8	315.8	316.5	0.2	25.1	9.0	64.
24.5	71.4	7717.4	375.0	-34.2	-45.4	239.4	10.1	8.7	5.1	316.4	316.4	316.9	0.2	27.4	9.9	64.
25.3	74.3	8214.4	350.0	-37.9	-45.5	235.7	12.1	8.5	8.5	317.6	317.6	318.2	0.1	27.6	11.0	63.
28.2	79.3	8721.1	325.0	-41.4	99.9	226.7	15.0	10.9	10.3	318.6	318.6	319.9	99.9	99.9	12.5	61.
30.4	83.3	9252.0	300.0	-45.7	99.9	218.9	14.6	9.3	11.5	321.0	321.0	322.4	99.9	99.9	14.7	49.
32.7	87.5	9822.0	275.0	-48.4	99.9	185.1	12.5	1.1	12.6	329.4	329.4	330.9	99.9	99.9	16.1	55.
34.0	92.3	10477.7	250.0	-47.4	99.9	171.3	14.0	-2.1	13.8	335.5	335.5	336.9	99.9	99.9	17.0	50.
37.6	97.0	11144.0	225.0	-49.2	99.9	171.3	14.8	-1.7	14.7	343.1	343.1	343.9	99.9	99.9	18.2	44.
39.0	102.1	11074.7	200.0	-49.0	99.9	189.4	15.5	2.5	15.7	355.7	355.7	356.9	99.9	99.9	19.6	35.
42.4	109.2	12817.7	175.0	-49.3	99.9	199.9	12.5	4.3	11.4	364.4	364.4	365.9	99.9	99.9	22.4	37.
44.0	114.3	13415.7	150.0	-51.9	99.9	209.3	10.7	5.1	9.4	380.8	380.8	380.9	99.9	99.9	24.4	36.
49.7	121.3	14007.9	125.0	-55.1	99.9	169.4	7.7	2.6	7.3	395.1	395.1	395.9	99.9	99.9	26.1	35.
54.0	130.0	14411.5	100.0	-55.7	99.9	206.7	8.8	4.0	7.9	420.2	420.2	420.9	99.9	99.9	28.7	34.
59.5	137.3	14272.1	75.0	-55.5	99.9	157.4	3.7	-1.4	-3.4	443.2	443.2	443.9	99.9	99.9	30.1	32.
67.3	145.5	20800.4	50.0	-56.0	99.9	82.7	4.9	-4.9	-0.6	454.2	454.2	454.9	99.9	99.9	29.4	32.
70.4	144.4	26271.4	25.0	-50.6	99.9	79.4	10.4	-10.2	-1.9	459.3	459.3	459.9	99.9	99.9	26.9	22.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN A AND 10 DEG

* BY TEMP MEANS TEMPERATURE OF TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 4 DEG

STATION NO. 11001
MARSHALL SEC. ALABAMA27 MAY 1977
2357 GMT

TIME MID	CNTCT	HEIGHT GDM	PRCS MR	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	F POT Y DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
2.0	4.7	140.0	999.5	24.0	20.3	50.0	2.1	-1.6	-1.7	100.1	140.9	15.4	71.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.5	999.5
0.3	7.9	301.9	975.0	24.1	18.2	999.9	999.9	99.9	99.9	200.4	335.5	13.7	69.8	999.5	999.5
1.5	10.1	428.0	950.0	22.1	16.8	999.9	999.9	99.9	99.9	299.6	333.8	12.9	72.1	999.5	999.5
2.4	12.1	528.0	925.0	20.0	15.5	999.9	999.9	99.9	99.9	290.8	332.0	12.1	75.7	0.2	270.
3.4	14.4	626.7	900.0	17.3	14.3	142.1	2.5	-1.5	2.0	100.0	330.7	11.5	79.3	0.4	255.
4.3	14.5	1237.6	975.0	15.4	11.5	120.5	2.5	-2.2	1.4	300.3	326.7	9.8	75.7	0.6	253.
5.4	14.7	1487.5	950.0	14.2	10.0	105.3	2.6	-2.5	0.7	301.1	325.9	9.1	75.7	0.7	253.
6.3	20.8	1733.7	825.0	12.5	8.6	93.6	2.8	-2.9	0.2	301.8	325.3	8.6	77.4	0.9	231.
7.4	21.2	1927.1	700.0	10.7	7.0	80.3	3.1	-3.0	-0.5	302.5	324.4	7.9	78.3	1.0	268.
8.4	25.5	2237.4	775.0	9.4	4.7	72.9	3.1	-3.0	-0.7	304.0	323.4	6.9	72.2	1.2	252.
9.4	27.8	2420.4	700.0	8.0	3.1	65.7	3.1	-3.0	-1.5	305.3	323.4	6.4	71.2	1.4	277.
10.4	30.3	2600.1	735.0	6.4	1.4	55.7	2.8	-2.5	-1.1	306.5	323.3	5.9	70.7	1.6	273.
11.4	32.7	2782.7	700.0	4.4	-0.5	39.9	3.1	-2.0	-2.4	307.5	322.7	5.3	65.8	1.7	259.
12.0	35.3	2902.4	675.0	3.4	-1.5	5.9	4.2	-0.4	-4.2	309.4	324.2	5.1	70.2	1.8	251.
13.2	37.6	3027.9	650.0	1.0	-2.2	354.6	3.8	0.4	-3.8	310.1	324.7	5.0	78.9	1.9	252.
14.4	40.3	4012.1	625.0	-1.2	-2.6	11.0	2.7	-0.5	-2.6	310.3	325.1	5.1	54.5	2.0	245.
15.6	42.5	4374.1	600.0	-1.6	-6.5	72.1	2.7	-2.0	-0.8	311.9	323.7	4.0	60.0	2.1	243.
16.4	45.2	4672.3	575.0	-4.4	-11.0	82.6	4.4	-4.4	-0.6	314.3	323.7	2.9	50.5	2.4	246.
17.5	48.2	5021.7	550.0	-5.4	-14.4	72.7	5.1	-4.0	-1.3	317.2	324.3	2.3	46.4	3.4	249.
20.9	50.3	5744.1	500.0	-7.2	-14.7	73.6	5.1	-4.5	-1.6	319.5	326.1	2.0	46.4	3.4	249.
22.4	53.3	6244.1	475.0	-9.7	-21.8	74.1	5.1	-4.9	-1.3	321.2	325.6	1.3	46.4	3.4	249.
23.2	54.9	6159.2	475.0	-12.4	-25.0	70.0	5.2	-7.1	-1.2	322.2	325.7	1.1	46.4	3.4	249.
25.6	58.0	6444.2	450.0	-15.2	-29.4	92.9	7.7	-7.7	0.4	324.1	326.7	0.7	28.4	4.2	251.
27.4	62.9	6937.8	425.0	-19.4	-33.7	98.5	7.7	-7.5	1.1	325.5	327.3	0.5	24.3	5.1	253.
29.2	64.1	7444.7	400.0	-22.4	-35.0	84.4	5.5	-5.5	0.4	325.9	327.3	0.5	24.3	5.1	253.
30.9	69.4	7917.4	375.0	-26.0	-38.6	81.6	3.2	-3.2	-0.5	327.2	327.7	0.4	26.0	6.5	259.
32.4	72.0	8412.4	350.0	-30.5	-39.7	76.3	2.4	-2.3	-0.4	327.6	327.7	0.3	26.0	6.5	259.
34.7	75.5	8915.1	325.0	-34.7	-44.2	70.1	0.4	-0.5	-0.1	328.5	328.8	0.2	36.6	7.4	256.
34.9	80.4	9480.5	300.0	-39.1	-48.5	31.1	0.7	-0.4	-0.1	330.3	329.9	0.2	36.6	7.4	256.
36.3	84.3	10079.1	275.0	-44.5	-50.5	27.6	2.4	2.4	-0.1	330.8	330.9	0.2	36.6	7.4	256.
38.3	89.5	10710.1	250.0	-49.8	-54.9	22.7	5.5	4.1	3.7	332.1	332.1	0.2	36.6	7.4	256.
41.9	92.4	11331.0	225.0	-54.9	-59.5	23.9	7.1	5.9	4.0	334.4	334.4	0.2	36.6	7.4	256.
44.5	97.4	12137.9	200.0	-60.4	-64.9	24.7	4.0	4.4	-1.4	336.7	336.7	0.2	36.6	7.4	256.
50.4	102.4	12944.4	175.0	-64.3	-68.3	31.5	4.5	6.3	-1.4	343.9	343.9	0.2	36.6	7.4	256.
53.0	107.4	13707.0	150.0	-68.3	-71.7	40.9	9.0	7.4	-3.0	345.4	345.4	0.2	36.6	7.4	256.
54.1	113.5	15014.4	125.0	-71.7	-75.1	45.5	9.0	7.4	-3.0	345.4	345.4	0.2	36.6	7.4	256.
57.4	119.8	16410.7	100.0	-75.1	-78.5	31.4	7.8	4.2	-4.2	405.4	405.4	0.2	36.6	7.4	256.
60.4	126.3	19165.1	75.0	-81.7	-85.1	14.6	6.7	-2.1	-4.3	435.7	435.7	0.2	36.6	7.4	256.
63.9	133.3	20437.9	50.0	-85.1	-88.5	99.9	3.4	1.4	-3.0	508.8	508.8	0.2	36.6	7.4	256.
97.4	140.5	25151.7	25.0	-91.1	-99.9	79.4	5.5	-5.4	-1.0	619.6	619.6	0.2	36.6	7.4	256.

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28 May 1977

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STATION NO. 229
 CENTERVILLE, ALABAMA

 24 MAY 1977
 256 GMT

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TIME MIN	CNCT	HEIGHT CM	REFS MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PUT Y DG K	E POT T DG K	MX RTO CM/KG	RM FCT	RANGE KM	AZ CG
0.0	7.0	140.0	992.5	21.8	19.7	230.0	3.1	2.4	2.0	295.4	333.9	14.8	28.9	0.0	0.
0.5	90.9	90.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
1.0	4.4	295.2	575.6	21.9	19.2	146.5	5.6	0.7	6.6	297.2	335.3	14.6	25.6	0.2	15.
1.5	10.7	431.5	940.0	21.9	19.3	146.5	4.9	-2.1	4.5	299.0	336.2	14.1	21.7	0.5	30.0
2.0	17.0	752.9	924.0	19.9	17.8	173.7	4.4	-3.2	3.9	299.7	337.8	14.0	27.4	0.7	345.
2.5	15.3	889.7	903.0	18.2	14.6	131.4	4.3	-3.2	2.5	300.2	335.8	13.4	25.6	0.9	227.
3.0	17.5	1210.4	575.0	16.7	13.1	127.9	3.5	-2.8	2.9	301.1	330.7	11.0	79.6	1.1	332.
3.5	20.0	1477.7	940.0	15.2	11.2	117.4	2.0	-1.9	0.9	302.0	329.0	9.9	77.3	1.3	329.
4.0	22.7	1709.1	825.0	13.0	10.7	79.4	1.2	-1.2	-0.2	302.4	329.2	9.9	25.5	1.2	286.
4.5	24.7	1998.7	800.0	11.0	9.9	70.9	1.4	-1.1	-0.9	302.9	329.1	9.6	25.5	1.4	225.
5.0	26.9	2251.0	775.0	9.9	8.4	5.7	1.6	-0.2	-1.6	304.5	329.3	9.0	25.5	1.3	320.
5.5	29.4	2526.0	750.0	7.5	6.6	365.7	2.2	0.5	-2.2	306.7	327.6	8.2	24.1	1.2	312.
6.0	31.9	2805.2	725.0	6.0	5.2	335.1	3.4	1.4	-3.1	306.1	327.6	7.7	24.3	1.0	312.
6.5	34.9	3092.4	702.0	4.4	3.5	337.5	4.1	1.9	-3.7	307.3	327.3	7.1	24.0	0.8	282.
7.0	37.3	3385.3	675.0	2.2	1.3	340.0	4.0	1.3	-3.8	308.1	326.8	6.3	23.7	0.6	290.
7.5	40.0	3677.8	650.0	0.8	-0.1	345.9	4.5	1.1	-4.4	309.8	326.8	5.9	23.0	0.5	282.
8.0	42.4	3972.7	625.0	-1.5	-2.3	337.0	5.7	2.2	-5.2	310.4	325.3	5.2	21.7	0.6	217.
8.5	45.4	4271.9	600.0	-3.5	-4.3	339.2	6.2	2.3	-5.8	312.1	325.9	4.7	24.2	1.0	183.
9.0	48.3	4572.9	575.0	-5.3	-6.1	342.5	7.8	1.0	-7.7	313.9	326.5	4.2	24.8	1.6	177.
9.5	51.1	4877.6	550.0	-7.3	-8.2	349.7	9.2	1.6	-9.0	315.4	326.7	3.7	23.5	2.4	175.
10.0	54.2	5177.6	525.0	-9.3	-14.8	349.9	7.4	1.9	-9.3	317.3	324.5	2.3	24.2	3.2	174.
10.5	57.1	5474.6	500.0	-9.7	-25.4	340.9	7.2	2.4	-5.8	320.5	324.5	1.0	26.3	3.9	173.
11.0	60.4	5769.4	475.0	-12.6	-33.5	330.9	6.2	3.0	-5.4	322.3	324.0	0.5	15.6	4.5	171.
11.5	63.9	6064.4	450.0	-14.9	-45.4	330.3	3.1	1.5	-2.7	324.5	324.6	0.0	1.0	4.5	168.
12.0	67.0	6359.5	425.0	-18.1	-58.3	47.3	0.9	-0.7	-0.6	325.6	325.7	0.0	1.5	5.0	169.
12.5	70.4	6654.4	400.0	-21.7	-70.7	41.9	2.2	-2.2	-0.3	326.7	327.7	0.3	16.0	5.0	175.
13.0	74.0	6950.7	375.0	-25.4	-82.0	54.4	2.5	-2.5	0.2	327.7	328.6	0.2	19.7	5.0	173.
13.5	77.9	7247.4	350.0	-29.7	-94.5	53.5	1.6	-1.3	-0.9	328.7	329.1	0.1	12.4	4.9	176.
14.0	81.7	7544.9	325.0	-34.4	-107.1	70.1	1.5	3.2	-1.4	329.3	329.7	0.1	16.8	5.0	175.
14.5	85.7	7841.8	300.0	-39.4	-119.1	244.1	6.9	5.9	0.7	331.3	331.9	0.2	34.6	5.1	167.
15.0	89.7	8137.7	275.0	-44.5	-131.9	244.9	7.2	7.2	0.4	332.3	332.9	0.9	95.5	5.3	156.
15.5	93.7	8433.6	250.0	-49.4	-144.9	244.9	10.4	10.4	1.0	334.2	334.2	0.9	99.9	6.0	143.
16.0	97.4	8729.5	225.0	-54.9	-157.9	242.9	11.7	11.6	1.5	335.9	335.9	0.9	99.9	6.9	132.
16.5	101.4	9025.4	200.0	-59.6	-170.9	242.9	13.9	13.5	3.1	338.4	338.4	0.9	99.9	8.3	120.
17.0	105.4	9321.3	175.0	-64.8	-183.9	242.9	12.1	11.7	-1.9	342.9	342.9	0.9	99.9	10.2	114.
17.5	109.4	9617.2	150.0	-69.7	-196.9	242.9	10.5	9.5	-4.6	349.6	349.6	0.9	99.9	12.2	111.
18.0	113.4	9913.1	125.0	-74.9	-209.9	242.9	9.6	4.7	-9.4	360.0	360.0	0.9	99.9	14.5	110.
18.5	117.4	10209.0	100.0	-79.4	-222.9	242.9	4.3	7.1	-4.4	405.3	405.3	0.9	99.9	17.0	110.
19.0	121.4	10504.9	75.0	-84.5	-235.9	242.9	5.0	0.7	-4.9	429.3	429.3	0.9	99.9	18.9	115.
19.5	125.4	10800.8	50.0	-89.4	-248.9	242.9	5.2	-5.0	-1.4	506.0	506.0	0.9	99.9	17.9	127.
20.0	129.4	11096.7	25.0	-94.7	-261.9	242.9	999.9	99.9	99.9	639.3	639.3	0.9	99.9	15.8	138.

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* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

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STATION NO. 240
 LAKE CHARLES, LOUISIANA

 28 MAY 1977
 200 GMT

TIME MIN	CNTCT	WPGHT GOM	PRFS MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PCT Y PG K	E POT Y DG K	WX RTO GP/KG	RM PCT	RANGE NM	AZ DEG
0.0	5.0	1007.0	1007.0	25.0	21.7	210.0	3.6	1.0	3.1	249.2	341.2	10.5	75.0	0.0	0.
0.2	5.5	1000.0	1000.0	26.0	23.1	240.0	5.2	4.5	2.5	290.2	340.6	10.1	64.1	0.2	47.
1.2	4.0	990.0	990.0	25.3	19.1	249.4	6.4	6.1	2.3	300.7	339.1	10.5	68.5	0.5	56.
2.2	10.0	910.0	910.0	24.4	19.1	240.4	4.1	6.0	1.0	302.0	341.5	10.5	72.1	0.9	65.
3.1	13.7	874.0	874.0	23.1	17.4	242.5	4.1	4.0	-3.9	302.0	340.2	13.9	71.5	1.1	70.
4.0	15.5	803.0	803.0	21.4	16.4	244.1	3.0	1.7	-2.4	303.6	339.2	13.2	73.0	1.2	76.
4.9	17.9	773.0	773.0	19.3	13.9	255.1	3.7	0.1	-3.3	303.9	338.1	11.5	71.2	1.3	84.
5.0	20.2	744.0	744.0	17.4	11.9	255.1	4.3	-1.1	-4.1	304.5	333.1	10.4	65.5	1.2	84.
6.0	22.4	714.0	714.0	16.4	9.4	252.2	5.6	-2.1	-5.2	305.9	328.2	8.0	55.0	1.2	107.
7.4	25.1	683.0	683.0	14.4	7.4	25.4	5.5	-2.3	-4.9	308.5	324.0	5.0	45.0	1.2	123.
9.4	27.5	652.0	652.0	12.2	-3.5	352.5	4.9	0.6	-4.4	310.2	321.2	3.7	36.4	1.3	138.
9.9	30.1	621.0	621.0	10.1	-1.6	324.2	6.0	1.5	-4.9	311.9	320.3	4.6	33.9	1.6	139.
10.4	32.5	590.0	590.0	12.7	-2.1	313.7	8.7	6.3	-6.0	313.0	325.4	4.5	26.4	2.0	132.
11.4	35.5	559.0	559.0	10.6	-5.2	320.6	10.3	4.5	-7.9	314.3	325.2	3.6	31.5	2.7	137.
13.4	39.1	528.0	528.0	7.7	-7.0	325.6	10.4	5.9	-4.6	314.2	324.4	3.4	30.4	3.4	136.
14.2	40.0	497.0	497.0	4.7	-7.5	320.2	12.2	6.1	-10.6	314.3	324.4	3.3	40.0	4.1	140.
15.1	43.9	466.0	466.0	1.4	-4.2	333.4	14.1	6.3	-12.6	314.3	324.4	3.3	40.1	4.8	142.
15.8	45.9	435.0	435.0	-1.4	-6.4	334.4	15.4	6.7	-13.0	314.5	324.1	3.1	54.1	5.7	144.
17.3	49.0	404.0	404.0	-4.9	-12.2	324.0	16.1	4.3	-11.8	314.3	322.4	2.6	56.5	6.9	145.
18.4	52.0	373.0	373.0	-6.0	-22.7	317.0	17.4	11.9	-12.7	316.0	319.7	1.2	26.0	8.2	145.
20.1	55.9	342.0	342.0	-7.0	-37.0	311.1	15.4	11.9	-10.3	320.1	321.2	0.3	7.0	9.7	143.
21.6	59.1	311.0	311.0	-8.7	-48.3	314.9	11.2	7.9	-7.9	321.7	323.7	0.3	7.3	10.0	142.
22.9	62.4	280.0	280.0	-12.4	-40.9	322.0	10.2	6.2	-4.1	322.7	323.5	0.2	7.1	11.4	141.
24.7	64.0	249.0	249.0	-16.0	-43.1	334.8	14.2	6.1	-12.9	323.1	323.0	0.2	7.5	12.5	142.
25.8	64.7	218.0	218.0	-19.3	-43.9	338.4	19.7	10.2	-13.8	324.2	323.0	0.2	5.2	16.1	144.
27.4	73.7	187.0	187.0	-22.4	-46.2	322.6	22.5	13.7	-17.0	325.0	324.4	0.1	5.4	16.2	144.
29.1	77.2	156.0	156.0	-26.2	-47.0	322.5	23.1	14.1	-15.4	326.9	323.5	0.1	12.0	18.6	143.
31.1	81.2	125.0	125.0	-30.3	-49.8	324.1	22.7	12.0	-13.3	327.9	325.3	0.1	12.6	21.2	140.
33.0	85.4	94.0	94.0	-34.7	-53.1	327.2	24.7	13.4	-20.7	328.4	329.2	0.1	13.3	23.9	144.
35.3	89.9	63.0	63.0	-38.7	-56.6	324.2	32.2	17.4	-24.3	330.4	329.9	0.1	95.9	27.4	144.
37.4	94.4	32.0	32.0	-42.4	-59.9	324.2	31.0	18.9	-24.6	332.4	329.9	0.1	95.9	31.7	145.
39.5	93.5	1.0	1.0	-46.4	-59.9	324.4	31.0	18.9	-24.6	333.8	329.9	0.1	95.9	36.1	148.
42.9	104.6	114.0	114.0	-52.0	-59.9	317.3	31.7	24.8	-18.0	337.6	329.9	0.1	95.9	40.4	144.
45.7	110.4	110.0	110.0	-55.4	-59.9	317.0	27.9	14.9	-23.3	340.0	329.9	0.1	95.9	46.0	142.
49.1	114.7	104.4	104.4	-58.6	-59.9	315.3	21.9	15.4	-15.5	343.3	329.9	0.1	95.9	50.1	142.
52.1	123.7	100.0	100.0	-62.4	-59.9	290.4	20.2	17.6	-10.9	342.4	329.9	0.1	95.9	54.4	140.
54.9	133.3	125.0	125.0	-65.2	-59.9	321.5	18.3	5.0	-11.9	342.4	329.9	0.1	95.9	59.4	139.
61.2	135.0	143.0	143.0	-65.6	-59.9	321.5	4.2	2.3	-7.5	400.9	329.9	0.1	95.9	63.3	136.
77.3	145.3	143.0	143.0	-45.6	-59.9	327.2	4.2	2.3	-7.5	435.3	329.9	0.1	95.9	64.1	136.
79.2	147.7	2074.0	2074.0	-50.0	-50.0	54.4	6.4	-5.2	-7.7	508.7	329.9	0.1	95.9	64.9	141.
91.4	161.1	2193.1	2193.1	-47.4	-59.9	59.4	4.4	4.7	-1.4	400.3	329.9	0.1	95.9	63.3	144.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OF TIME MEANS BEFN INTERPOLATED
 ** BY SPOFF MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 247
LONGVIEW, TEXAS

20 MAY 1977
215 GMT

TIME MTH	CNVC	WFLIGHT COM	DR'S WJ	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PJT T DEG K	F BNT T DEG K	MX RTO GPM/G	RH PCT	RANGE KM	AZ DEG
00	4.9	124.0	993.1	25.6	19.5	140.0	1.5	-1.0	1.1	299.4	337.9	14.5	65.0	0.0	0.
02.0	93.0	99.0	1003.0	25.3	20.3	99.3	50.0	50.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
04.0	9.0	200.3	975.0	24.2	20.3	99.3	99.0	99.0	99.0	704.4	346.7	15.6	56.0	959.5	959.5
06.0	10.5	215.7	940.0	26.4	19.4	99.0	99.0	99.0	99.0	304.3	342.9	14.2	65.3	959.5	959.5
08.0	12.0	244.4	925.0	21.7	16.6	99.3	99.0	99.0	99.0	703.6	337.7	13.0	64.2	999.0	999.0
10.0	15.2	273.7	900.0	21.7	16.2	127.7	5.2	0.2	5.2	303.0	329.2	13.0	71.1	1.0	23.0
12.0	17.6	303.0	875.0	10.3	15.7	170.3	5.1	-0.1	5.1	303.0	330.0	13.0	76.7	1.2	32.0
14.0	17.6	332.0	852.0	10.3	14.1	170.3	5.1	0.1	5.1	303.0	330.0	13.0	76.7	1.2	32.0
16.0	17.6	361.0	827.0	14.4	17.4	250.0	5.4	1.3	5.4	303.0	330.0	13.0	54.2	1.7	31.0
18.0	24.6	390.0	802.0	12.5	17.4	190.5	7.1	1.0	7.1	304.5	320.4	9.4	42.2	1.9	34.0
20.0	24.6	419.0	775.0	11.4	3.3	190.5	7.1	0.4	7.1	304.5	320.4	9.4	42.2	2.0	35.0
22.0	24.6	448.0	750.0	11.2	3.3	250.0	4.4	4.1	4.4	304.5	320.4	9.4	42.2	2.1	35.0
24.0	24.6	477.0	725.0	9.0	-4.0	250.0	6.4	6.3	6.4	304.5	320.4	9.4	42.2	2.2	35.0
26.0	24.6	506.0	700.0	7.0	-4.0	250.0	7.1	7.1	7.1	304.5	320.4	9.4	42.2	2.3	35.0
28.0	24.6	535.0	675.0	6.1	-4.0	276.7	9.7	9.7	9.7	312.5	324.7	4.1	46.7	2.3	32.0
30.0	24.6	564.0	650.0	3.2	-4.5	287.4	11.4	10.2	11.4	312.5	324.7	4.1	46.7	2.3	32.0
32.0	24.6	593.0	625.0	0.0	-4.5	287.4	12.1	11.3	12.1	312.5	324.7	4.1	46.7	2.3	32.0
34.0	24.6	622.0	600.0	-2.4	-4.5	301.6	15.0	12.4	15.0	312.5	324.7	4.1	46.7	2.3	32.0
36.0	24.6	651.0	575.0	-4.1	-4.5	301.6	15.7	12.4	15.7	312.5	324.7	4.1	46.7	2.3	32.0
38.0	24.6	680.0	550.0	-5.5	-4.5	301.6	15.7	12.4	15.7	312.5	324.7	4.1	46.7	2.3	32.0
40.0	24.6	709.0	525.0	-6.4	-4.5	301.6	15.7	12.4	15.7	312.5	324.7	4.1	46.7	2.3	32.0
42.0	24.6	738.0	500.0	-10.6	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
44.0	24.6	767.0	475.0	-13.4	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
46.0	24.6	796.0	450.0	-16.7	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
48.0	24.6	825.0	425.0	-20.1	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
50.0	24.6	854.0	400.0	-23.6	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
52.0	24.6	883.0	375.0	-27.1	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
54.0	24.6	912.0	350.0	-31.4	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
56.0	24.6	941.0	325.0	-35.7	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
58.0	24.6	970.0	300.0	-39.4	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
60.0	24.6	1000.0	275.0	-43.1	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
62.0	24.6	1030.0	250.0	-46.8	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
64.0	24.6	1060.0	225.0	-50.5	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
66.0	24.6	1090.0	200.0	-54.2	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
68.0	24.6	1120.0	175.0	-57.9	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
70.0	24.6	1150.0	150.0	-61.6	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
72.0	24.6	1180.0	125.0	-65.3	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
74.0	24.6	1210.0	100.0	-69.0	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
76.0	24.6	1240.0	75.0	-72.7	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
78.0	24.6	1270.0	50.0	-76.4	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0
80.0	24.6	1300.0	25.0	-80.1	-4.5	316.5	14.6	10.4	14.6	320.1	322.2	0.2	46.7	2.3	32.0

BY SPEED MEANS ELEVATION ANGLE BETWEEN A AND 10 DEG
BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 256
VICTORIA, TEXAS29 MAY 1977
300 GMT

147 34. 0

TIME MIN	CNTCT	HEIGHT GDM	PRES IN	TEMP DEG C	DEW PT DEG C	DIR NS	SPEED M/SEC	U COMP2 M/SEC	V COMP M/SEC	POT Y DEG K	E POT Y DEG K	MX RTO GM/KG	EM PCT	RANGE KM	AZ DEG
0.0	5.5	72.0	1004.3	24.0	20.5	160.0	4.1	-1.4	3.9	296.8	336.8	19.4	81.0	0.0	0.
0.1	5.9	70.4	1003.0	24.5	20.5	99.9	59.9	99.9	99.9	297.7	335.1	15.9	80.3	999.9	999.
1.1	7.7	237.9	978.0	24.0	20.4	99.9	59.9	99.9	99.9	299.4	340.7	15.7	80.2	999.9	999.
1.9	9.5	521.5	950.0	22.4	19.3	99.9	99.9	99.9	99.9	299.9	339.8	15.1	82.8	999.9	999.
2.7	11.6	753.6	925.0	20.7	15.5	99.9	99.9	99.9	99.9	300.5	333.9	12.5	74.5	999.9	999.
3.7	13.7	900.4	903.0	21.3	15.5	99.9	99.9	99.9	99.9	303.4	318.5	5.3	30.3	999.9	999.
4.4	15.7	1234.8	875.0	21.8	-0.9	99.9	99.9	99.9	99.9	305.4	318.3	4.1	21.5	1.7	348.
5.5	17.4	1435.3	850.0	20.9	-4.7	168.7	7.1	2.3	6.8	308.1	317.5	3.2	17.5	2.1	353.
5.6	20.0	1742.9	825.0	20.9	-7.5	219.0	6.1	3.8	4.8	310.6	318.6	2.6	14.1	2.4	359.
7.6	22.1	2008.0	800.0	20.2	-7.5	219.7	4.5	2.9	3.5	312.6	321.0	2.7	14.7	2.7	3.
8.7	24.4	2240.7	775.0	18.7	-4.1	238.9	3.5	2.9	1.9	313.9	325.2	3.8	21.6	2.9	6.
9.6	26.5	2450.9	750.0	14.3	2.7	281.4	4.9	4.3	1.5	314.3	332.6	6.2	35.9	3.0	10.
10.5	29.4	2843.4	725.0	14.3	2.5	282.9	6.2	6.2	0.8	315.2	333.8	6.4	44.9	3.1	15.
11.6	31.3	3146.1	700.0	12.2	3.2	287.0	7.9	7.9	0.4	316.0	336.4	6.9	54.2	3.3	22.
12.7	33.3	3447.8	675.0	9.9	-1.3	273.1	9.8	9.8	-3.5	316.8	332.3	5.2	45.5	3.6	31.
13.7	35.1	3749.7	650.0	7.4	-5.5	284.6	11.6	11.2	-2.9	317.3	329.3	3.9	39.5	3.9	40.
15.0	38.4	4081.5	625.0	4.3	-7.3	285.2	12.7	11.5	-5.4	317.4	328.3	3.5	42.5	4.2	52.
16.1	41.2	4412.1	600.0	1.9	-9.0	288.6	12.6	11.3	-5.2	317.5	328.2	3.5	50.2	4.7	62.
17.3	44.0	4752.7	575.0	-2.2	-9.6	307.3	13.4	10.6	-3.1	317.5	327.4	3.2	56.4	5.2	71.
18.6	46.9	5104.7	550.0	-4.1	-21.7	309.5	11.8	9.1	-7.5	319.3	323.3	1.2	23.2	5.8	80.
20.0	49.9	5469.8	525.0	-5.1	-24.5	305.0	10.7	8.6	-6.3	321.1	322.5	0.4	8.3	6.4	86.
21.4	52.6	5850.4	500.0	-7.4	-33.5	314.5	12.6	9.0	-9.4	323.5	324.4	0.2	5.7	7.1	91.
22.4	55.5	6247.5	475.0	-10.1	-34.0	316.9	13.2	9.0	-9.6	325.4	326.5	0.3	5.0	8.0	97.
24.2	58.3	6611.3	450.0	-13.5	-35.9	320.4	14.0	9.9	-10.5	326.2	327.5	0.4	11.9	8.5	102.
25.7	61.1	7003.1	425.0	-17.3	-36.7	320.9	15.0	9.5	-11.6	326.8	328.2	0.4	16.7	9.9	106.
27.2	65.4	7444.4	400.0	-20.9	-36.6	315.6	17.2	12.0	-12.3	327.9	329.6	0.5	27.9	11.1	110.
28.4	69.0	7817.5	375.0	-24.6	-37.1	304.4	17.3	13.5	-13.9	329.0	330.6	0.4	30.2	12.7	113.
29.5	72.5	8114.2	350.0	-28.7	-38.3	295.8	16.1	12.5	-13.1	330.0	331.2	0.3	31.5	14.3	115.
32.4	75.5	9011.9	325.0	-33.2	-44.6	210.7	17.3	13.1	-11.3	330.9	331.7	0.2	30.7	16.2	117.
34.4	80.4	9554.9	300.0	-37.9	39.9	305.7	18.8	15.0	-11.2	332.1	332.1	55.9	955.9	18.3	118.
36.5	84.3	10132.2	275.0	-42.4	55.5	301.7	19.9	17.0	-10.5	333.5	333.5	99.9	995.9	20.8	119.
39.1	89.7	10827.5	250.0	-48.6	59.9	297.3	21.1	18.9	-9.7	333.9	333.9	99.9	999.9	23.9	119.
41.5	94.1	11512.3	225.0	-54.1	93.9	293.4	23.4	20.4	-11.8	335.6	335.6	99.9	995.9	27.2	119.
44.4	99.5	12262.5	200.0	-54.0	93.5	300.9	25.7	22.1	-13.2	344.1	344.1	99.9	995.9	31.5	119.
47.8	105.3	13102.9	175.0	-58.2	99.4	297.4	29.2	25.9	-13.7	352.3	352.3	99.9	995.9	36.9	119.
51.5	111.5	14045.7	150.0	-62.2	55.9	210.2	25.3	19.4	-15.4	362.9	362.9	99.9	995.9	43.5	120.
55.7	119.7	15174.5	125.0	-65.4	99.9	305.7	14.3	11.5	-8.6	371.1	371.1	999.9	999.9	47.6	120.
60.1	124.7	16151.2	100.0	-67.0	99.9	272.1	6.4	6.4	-0.2	394.2	394.2	99.9	995.9	50.7	121.
64.7	135.0	17400.5	75.0	-60.5	99.9	313.4	3.9	2.8	-2.7	427.0	427.0	99.9	995.9	51.5	120.
75.4	145.0	20720.6	50.0	-59.0	99.5	999.9	999.9	99.9	99.9	504.5	504.5	99.9	995.9	50.8	123.
99.9	209.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 260
STEPHENVILLE, TEXAS28 MAY 1977
200 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MR	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	R'NCE KM	AZ CG
0.0	10.5	799.0	940.4	25.4	14.7	160.0	4.1	-1.4	3.9	302.0	339.5	14.0	65.0	0.0	0.
0.9	09.9	09.0	1000.0	99.9	99.9	99.9	09.9	09.9	09.9	99.9	99.9	99.9	955.5	999.9	999.9
0.9	09.9	09.9	975.0	99.9	99.9	99.9	09.9	09.9	09.9	99.9	99.9	99.9	955.5	999.9	999.9
0.2	11.3	495.2	950.0	26.0	17.8	161.9	11.4	-3.5	10.8	303.5	360.4	13.7	60.9	0.4	337.
1.2	13.5	736.7	925.0	25.4	16.1	169.9	11.3	-2.0	11.1	305.3	339.7	12.6	55.6	0.8	341.
2.1	14.7	971.3	900.0	23.7	15.2	178.1	12.4	-0.4	12.4	306.0	339.4	12.2	58.9	1.5	347.
3.0	14.0	1217.1	875.0	21.6	15.2	190.2	10.5	1.9	10.4	306.3	340.8	12.6	67.3	2.1	352.
4.0	20.3	1464.3	850.0	19.2	14.6	199.7	10.9	3.7	10.2	306.3	340.2	12.4	74.6	2.7	357.
5.0	22.5	1725.0	825.0	17.5	13.3	209.4	9.3	4.5	9.1	307.1	339.6	11.8	76.4	3.3	2.
6.0	24.9	1857.9	800.0	15.9	9.7	234.8	6.5	5.4	3.6	308.1	334.8	5.6	65.9	3.7	6.
7.1	26.2	2354.8	775.0	16.9	2.6	271.5	4.7	6.7	-0.2	312.0	329.4	6.0	32.4	3.8	12.
9.3	29.4	2517.3	750.0	14.4	-1.5	276.3	4.4	8.4	-0.9	312.7	326.2	4.6	32.4	3.9	20.
10.4	32.1	2922.9	725.0	13.0	-6.0	265.7	9.7	9.6	0.7	313.7	323.9	3.4	26.2	4.1	27.
10.4	34.9	3115.3	700.0	10.4	-7.2	265.9	9.6	9.4	0.7	314.1	323.8	3.2	28.2	4.3	34.
11.7	37.4	3417.4	675.0	8.0	-8.4	250.9	9.3	9.2	1.5	314.6	323.8	3.0	30.3	4.9	41.
12.9	40.1	3727.5	650.0	5.0	-7.6	254.5	10.3	9.7	2.7	315.6	323.0	2.4	31.8	5.2	48.
14.1	42.7	4045.3	625.0	2.7	-12.4	260.6	10.3	10.1	1.7	316.6	323.0	2.4	31.8	6.2	48.
15.5	45.4	4375.4	600.0	1.4	-21.1	284.4	9.9	9.4	-3.2	317.7	322.0	1.3	16.7	6.8	53.
16.2	48.4	4717.0	575.0	-0.3	-28.6	297.7	11.5	10.2	-5.4	319.7	321.8	0.6	9.6	7.2	60.
17.4	51.1	5070.5	550.0	-2.0	-31.6	297.3	12.1	11.1	-4.8	320.5	322.2	0.5	8.8	7.8	66.
19.4	54.3	5417.1	525.0	-5.2	-30.2	292.8	14.1	13.0	-5.5	321.9	323.8	0.6	11.5	8.6	71.
21.4	57.3	5817.7	500.0	-8.3	-32.3	287.3	16.4	15.6	-4.9	322.9	324.7	0.5	12.3	9.4	77.
23.0	60.6	6213.5	475.0	-11.4	-34.2	280.9	18.2	17.8	-3.4	323.7	325.3	0.4	12.2	11.3	81.
24.6	63.0	6624.5	450.0	-15.6	-34.1	278.0	18.2	18.1	-2.5	323.7	325.3	0.5	10.6	13.0	83.
25.1	65.2	7053.2	425.0	-18.9	-34.6	266.2	16.8	13.1	-4.7	324.9	326.5	0.5	10.6	13.0	85.
27.8	70.7	7502.1	400.0	-22.4	-34.2	295.1	16.7	15.1	-7.1	325.9	327.7	0.5	23.7	14.5	88.
29.7	74.4	7972.9	375.0	-25.2	-39.0	299.9	19.2	16.7	-9.6	326.9	328.3	0.4	21.9	17.8	91.
31.4	78.3	8444.2	350.0	-30.1	-45.5	299.9	20.9	18.1	-10.4	328.2	328.9	0.2	20.3	19.9	94.
33.6	82.2	8991.0	325.0	-34.1	-47.4	295.8	21.1	19.0	-9.2	329.7	330.3	0.2	24.2	22.2	97.
35.7	86.3	9544.1	300.0	-39.1	-43.2	249.5	22.6	21.3	-7.5	330.3	331.3	0.3	64.4	24.9	98.
37.9	90.4	10174.7	275.0	-43.7	99.5	283.4	26.0	25.3	-5.0	331.9	999.9	99.9	959.9	28.0	99.
40.4	95.7	10740.2	250.0	-49.1	99.9	281.4	26.2	25.4	-5.3	333.0	999.9	99.9	959.9	32.0	100.
43.0	100.5	11452.0	225.0	-54.4	99.9	281.4	25.6	25.3	-5.1	335.1	999.9	99.9	955.5	36.1	100.
46.3	105.0	12198.3	200.0	-58.0	99.9	284.1	25.8	25.5	-8.0	330.9	999.9	99.9	955.9	41.0	100.
49.6	111.4	13014.5	175.0	-61.2	99.9	289.7	24.5	23.1	-8.3	334.9	999.9	99.9	955.9	46.0	102.
52.5	113.0	13980.5	150.0	-62.2	99.9	295.0	23.5	21.3	-9.9	332.9	999.9	99.9	995.9	51.8	103.
57.4	125.3	15105.4	125.0	-64.9	99.9	293.5	16.3	15.0	-6.5	337.6	999.9	99.9	999.9	56.2	104.
62.4	132.7	16454.4	100.0	-66.5	99.9	282.8	7.1	6.9	-1.6	399.3	999.9	99.9	955.9	59.8	104.
69.0	140.5	18107.0	75.0	-67.9	99.9	269.7	3.8	3.8	0.0	430.7	999.9	99.9	999.9	61.2	104.
77.5	148.3	20640.6	50.0	-59.1	99.9	51.2	6.8	-5.3	-4.2	504.4	999.9	99.9	955.9	61.1	105.
91.3	156.7	25105.3	25.0	-51.9	99.9	999.9	999.9	99.9	99.9	635.9	999.9	99.9	959.9	66.8	108.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 261
 DEL RIO, TEXAS

TIME MIN	CMTCT	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SFC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MX RTO GP/KG	MP PCT	RANGE KM	AZ DG
0.0	9.6	314.0	969.4	26.3	22.4	140.0	3.1	-2.0	2.4	322.1	349.5	17.9	79.8	0.0	0.
99.9	99.9	92.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.7	10.1	491.6	950.0	26.5	23.6	169.9	9.0	-2.0	8.8	304.1	356.6	19.7	83.9	0.3	337
1.6	12.1	729.5	925.0	24.2	21.6	159.1	9.5	-3.4	6.8	304.1	352.0	17.9	85.3	0.8	341
2.7	14.2	970.1	900.0	22.5	21.0	151.7	11.2	-5.3	9.9	304.7	352.1	17.7	51.0	1.4	336
3.7	16.2	1215.7	975.0	20.3	19.7	147.8	12.1	-6.5	10.2	304.7	350.1	16.8	96.5	2.2	336
4.7	18.4	1465.6	850.0	19.6	12.2	147.4	6.4	-5.1	6.7	304.7	357.0	11.0	64.9	2.8	333
5.8	20.5	1725.0	825.0	22.0	-0.5	101.5	3.1	-3.0	0.6	311.9	325.1	4.5	22.3	3.2	331
7.0	22.7	1991.3	800.0	20.8	2.2	356.9	1.0	0.1	-1.0	313.3	329.8	5.6	25.2	3.2	329
9.2	25.1	2244.5	775.0	18.0	5.0	280.0	2.5	2.4	-0.8	313.2	333.6	7.1	42.2	3.1	330
9.3	27.2	2544.5	750.0	16.1	2.5	275.9	4.9	4.9	-0.5	314.1	332.1	6.2	40.1	3.0	330
10.5	29.7	2931.6	725.0	13.7	1.9	272.8	7.0	7.0	-0.3	314.5	332.4	6.1	44.7	2.7	342
11.4	32.2	3126.2	700.0	11.1	0.8	270.6	9.0	9.0	-0.1	314.8	332.0	5.8	48.6	2.6	358
12.9	34.7	3422.6	675.0	8.3	-0.9	277.4	10.9	10.9	-0.4	314.9	330.7	5.3	52.3	2.6	9.
14.3	37.1	3739.3	650.0	5.8	-3.7	270.2	13.8	13.7	-1.5	315.6	329.0	4.5	50.1	2.5	25
15.7	39.4	4059.3	625.0	3.5	-7.7	260.4	17.1	16.8	-3.1	316.5	326.3	3.2	40.5	3.6	49
17.1	42.3	4400.0	400.0	2.5	-18.8	291.1	15.7	14.6	-5.6	319.0	323.8	1.5	15.4	4.6	45
19.5	45.1	4731.7	575.0	2.4	-29.1	289.1	12.8	12.2	-4.0	322.8	324.9	0.6	7.6	5.4	76
19.8	49.0	4990.1	550.0	-1.0	-29.7	293.3	12.0	11.7	-2.6	322.9	324.9	0.6	5.1	5.2	6.3
21.3	50.9	5459.6	525.0	-4.7	-30.1	275.5	10.9	10.9	-1.0	322.9	324.6	0.6	11.5	7.3	72
22.0	53.9	5839.9	500.0	-7.8	-29.1	265.9	9.3	9.2	0.5	323.6	325.9	0.7	16.1	8.2	83
24.4	56.9	6235.9	475.0	-10.7	-29.7	267.6	9.6	9.6	0.4	324.7	327.1	0.7	15.1	9.8	83
26.1	60.1	6650.1	450.0	-14.0	-31.1	277.6	11.0	11.0	-0.7	325.6	327.8	0.8	21.8	10.8	84
27.6	63.6	7051.7	425.0	-17.4	-32.1	281.6	12.4	12.2	-2.5	325.6	328.6	0.5	23.9	11.2	85
29.4	66.9	7431.4	400.0	-22.0	-33.5	280.8	14.0	13.7	-2.6	326.4	328.0	0.4	26.9	12.5	87
31.3	70.5	775.0	375.0	-25.4	-35.6	282.7	15.6	15.3	-3.4	328.0	329.1	0.3	22.5	14.0	89
31.1	74.2	8002.2	350.0	-29.0	-40.5	281.6	17.5	17.1	-3.6	329.6	330.7	0.3	22.6	15.8	90
35.1	79.3	9074.7	325.0	-34.1	-44.1	285.8	19.0	18.3	-5.2	329.8	330.6	0.2	25.1	17.9	92
37.2	82.3	9579.5	300.0	-39.8	-49.9	282.6	20.0	19.5	-4.3	330.6	335.4	55.9	955.9	20.3	93
32.7	84.6	10170.1	275.0	-44.1	98.9	276.2	19.9	19.8	-2.1	331.4	999.9	99.9	955.9	22.9	94
41.4	91.4	10402.1	250.0	-49.1	99.9	271.9	17.1	17.1	-0.6	333.0	999.9	99.9	955.9	25.5	94
44.2	95.2	11484.6	225.0	-53.5	99.9	276.1	19.3	19.2	-2.0	336.5	999.9	99.9	955.9	28.1	95
47.4	101.5	12441.8	200.0	-57.1	99.5	296.6	24.9	23.8	-7.1	345.5	999.9	99.9	955.9	32.3	95
51.0	107.5	13095.7	175.0	-60.1	99.9	297.0	26.7	25.5	-7.8	350.6	999.9	99.9	955.9	37.8	97
54.9	114.0	14034.4	150.0	-65.7	99.9	299.9	23.6	22.2	-8.0	356.8	999.9	99.9	955.9	43.7	98
59.2	121.3	15177.9	125.0	-69.2	99.9	309.5	14.2	12.2	-7.2	369.6	999.9	99.9	999.9	48.4	100
63.9	129.5	16454.6	100.0	-69.8	99.9	251.9	6.9	6.6	2.2	393.0	999.9	99.9	999.9	51.0	100
70.2	134.3	16159.7	75.0	-65.8	99.9	329.3	3.2	1.6	-2.7	426.7	999.9	99.9	999.9	52.2	100
79.0	167.0	20653.5	50.0	-60.6	99.9	71.9	6.8	-6.4	-2.1	500.6	999.9	99.9	955.9	49.8	103
91.8	156.3	25085.4	25.0	-60.3	99.9	999.9	999.9	99.9	99.9	500.6	999.9	99.9	955.9	49.8	100

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 240
LITTLE ROCK, ARKANSAS

TIME MIN	CHTCY	WEIGHT GON	PRES MS	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GP/KG	RM PCT	RANGE KM	AZ DG
0.0	4.6	172.0	929.5	25.6	15.9	0.0	0.0	0.0	0.0	299.7	330.7	11.6	55.9	189	19.0
99.9	90.9	90.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	0.0	0.0
9.5	7.9	203.7	975.0	27.1	16.9	156.6	0.2	1.6	1.8	302.5	336.2	12.5	52.8	999.9	999.9
1.3	10.2	223.4	950.0	25.5	15.5	258.6	1.6	1.6	0.3	303.0	335.0	11.8	54.2	0.0	64.0
2.2	12.4	247.5	925.0	23.5	13.2	283.3	1.5	1.4	-0.3	303.4	333.9	11.8	54.2	0.0	64.0
7.1	14.8	265.2	900.0	21.3	11.9	303.5	1.5	1.3	-0.8	303.5	332.7	10.7	55.8	0.0	76.0
6.1	17.0	289.0	875.0	19.9	11.0	323.1	1.0	0.4	-0.9	304.4	332.0	10.1	59.9	0.0	82.0
5.0	19.5	312.2	850.0	17.4	10.0	331.0	1.0	0.9	-1.7	304.4	332.0	9.8	66.0	0.0	96.0
4.0	21.9	336.7	825.0	15.2	7.7	347.7	2.7	0.9	-2.4	305.1	328.2	9.4	71.2	0.0	102.0
3.0	24.4	361.2	800.0	13.1	4.9	367.7	3.1	1.2	-4.1	305.8	325.7	8.3	65.8	0.0	110.0
2.0	26.9	385.7	775.0	11.1	2.1	387.8	4.3	1.9	-4.9	306.3	323.2	7.1	65.8	0.0	118.0
1.0	29.4	410.2	750.0	8.9	-0.4	388.2	5.2	1.2	-5.2	308.3	323.2	6.0	62.2	0.0	126.0
0.0	31.9	434.7	725.0	6.7	-1.8	388.2	6.2	3.5	-6.9	309.2	323.2	5.1	55.0	0.0	134.0
10.5	34.4	459.2	700.0	4.5	-2.8	388.2	7.1	5.9	-7.7	310.1	322.5	4.8	57.0	0.0	142.0
11.5	36.9	483.7	675.0	2.3	-4.2	388.2	8.0	8.2	-10.3	310.9	320.3	3.0	45.7	0.0	150.0
12.5	39.4	508.2	650.0	0.1	-5.6	388.2	8.9	9.7	-10.1	311.4	318.1	2.0	34.7	0.0	158.0
13.5	41.9	532.7	625.0	-2.1	-7.0	388.2	9.8	8.6	-8.1	312.7	317.3	1.5	26.7	0.0	166.0
14.5	44.4	557.2	600.0	-4.3	-8.4	388.2	10.7	5.5	-6.9	315.0	317.9	0.9	17.9	0.0	174.0
15.5	46.9	581.7	575.0	-6.7	-9.8	388.2	11.6	3.4	-1.9	316.5	319.4	0.9	10.9	0.0	182.0
16.5	49.4	606.2	550.0	-9.1	-11.2	388.2	12.5	4.2	-1.3	318.9	320.5	0.5	20.1	0.0	190.0
17.5	51.9	630.7	525.0	-11.5	-12.6	388.2	13.4	5.0	-1.5	321.7	323.3	0.5	12.8	0.0	198.0
18.5	54.4	655.2	500.0	-13.9	-14.0	388.2	14.3	5.2	-0.5	324.8	325.6	0.8	26.7	0.0	206.0
19.5	56.9	679.7	475.0	-16.3	-15.4	388.2	15.2	4.9	1.1	326.8	325.6	0.8	36.3	0.0	214.0
20.5	59.4	704.2	450.0	-18.7	-16.8	388.2	16.1	5.2	1.7	329.7	327.2	0.4	46.0	0.0	222.0
21.5	61.9	728.7	425.0	-21.1	-18.2	388.2	17.0	4.8	2.0	332.2	327.2	0.4	55.8	0.0	230.0
22.5	64.4	753.2	400.0	-23.5	-19.6	388.2	17.9	4.4	2.4	334.7	327.2	0.4	65.6	0.0	238.0
23.5	66.9	777.7	375.0	-25.9	-21.0	388.2	18.8	3.9	2.8	337.2	327.2	0.4	75.4	0.0	246.0
24.5	69.4	802.2	350.0	-28.3	-22.4	388.2	19.7	3.3	3.2	339.7	327.2	0.4	85.2	0.0	254.0
25.5	71.9	826.7	325.0	-30.7	-23.8	388.2	20.6	2.8	3.6	342.2	327.2	0.4	95.0	0.0	262.0
26.5	74.4	851.2	300.0	-33.1	-25.2	388.2	21.5	2.3	4.0	344.7	327.2	0.4	104.8	0.0	270.0
27.5	76.9	875.7	275.0	-35.5	-26.6	388.2	22.4	1.8	4.4	347.2	327.2	0.4	114.6	0.0	278.0
28.5	79.4	900.2	250.0	-37.9	-28.0	388.2	23.3	1.3	4.8	349.7	327.2	0.4	124.4	0.0	286.0
29.5	81.9	924.7	225.0	-40.3	-29.4	388.2	24.2	0.8	5.2	352.2	327.2	0.4	134.2	0.0	294.0
30.5	84.4	949.2	200.0	-42.7	-30.8	388.2	25.1	0.3	5.6	354.7	327.2	0.4	144.0	0.0	302.0
31.5	86.9	973.7	175.0	-45.1	-32.2	388.2	26.0	0.8	6.0	357.2	327.2	0.4	153.8	0.0	310.0
32.5	89.4	998.2	150.0	-47.5	-33.6	388.2	26.9	0.3	6.4	359.7	327.2	0.4	163.6	0.0	318.0
33.5	91.9	1022.7	125.0	-49.9	-35.0	388.2	27.8	0.8	6.8	362.2	327.2	0.4	173.4	0.0	326.0
34.5	94.4	1047.2	100.0	-52.3	-36.4	388.2	28.7	0.3	7.2	364.7	327.2	0.4	183.2	0.0	334.0
35.5	96.9	1071.7	75.0	-54.7	-37.8	388.2	29.6	0.8	7.6	367.2	327.2	0.4	193.0	0.0	342.0
36.5	99.4	1096.2	50.0	-57.1	-39.2	388.2	30.5	0.3	8.0	369.7	327.2	0.4	202.8	0.0	350.0
37.5	101.9	1120.7	25.0	-59.5	-40.6	388.2	31.4	0.8	8.4	372.2	327.2	0.4	212.6	0.0	358.0
38.5	104.4	1145.2	0.0	-61.9	-42.0	388.2	32.3	0.3	8.8	374.7	327.2	0.4	222.4	0.0	366.0
39.5	106.9	1169.7	0.0	-64.3	-43.4	388.2	33.2	0.8	9.2	377.2	327.2	0.4	232.2	0.0	374.0
40.5	109.4	1194.2	0.0	-66.7	-44.8	388.2	34.1	0.3	9.6	379.7	327.2	0.4	242.0	0.0	382.0
41.5	111.9	1218.7	0.0	-69.1	-46.2	388.2	35.0	0.8	10.0	382.2	327.2	0.4	251.8	0.0	390.0
42.5	114.4	1243.2	0.0	-71.5	-47.6	388.2	35.9	0.3	10.4	384.7	327.2	0.4	261.6	0.0	398.0
43.5	116.9	1267.7	0.0	-73.9	-49.0	388.2	36.8	0.8	10.8	387.2	327.2	0.4	271.4	0.0	406.0
44.5	119.4	1292.2	0.0	-76.3	-50.4	388.2	37.7	0.3	11.2	389.7	327.2	0.4	281.2	0.0	414.0
45.5	121.9	1316.7	0.0	-78.7	-51.8	388.2	38.6	0.8	11.6	392.2	327.2	0.4	291.0	0.0	422.0
46.5	124.4	1341.2	0.0	-81.1	-53.2	388.2	39.5	0.3	12.0	394.7	327.2	0.4	300.8	0.0	430.0
47.5	126.9	1365.7	0.0	-83.5	-54.6	388.2	40.4	0.8	12.4	397.2	327.2	0.4	310.6	0.0	438.0
48.5	129.4	1390.2	0.0	-85.9	-56.0	388.2	41.3	0.3	12.8	399.7	327.2	0.4	320.4	0.0	446.0
49.5	131.9	1414.7	0.0	-88.3	-57.4	388.2	42.2	0.8	13.2	402.2	327.2	0.4	330.2	0.0	454.0
50.5	134.4	1439.2	0.0	-90.7	-58.8	388.2	43.1	0.3	13.6	404.7	327.2	0.4	340.0	0.0	462.0
51.5	136.9	1463.7	0.0	-93.1	-60.2	388.2	44.0	0.8	14.0	407.2	327.2	0.4	349.8	0.0	470.0
52.5	139.4	1488.2	0.0	-95.5	-61.6	388.2	44.9	0.3	14.4	409.7	327.2	0.4	359.6	0.0	478.0
53.5	141.9	1512.7	0.0	-97.9	-63.0	388.2	45.8	0.8	14.8	412.2	327.2	0.4	369.4	0.0	486.0
54.5	144.4	1537.2	0.0	-100.3	-64.4	388.2	46.7	0.3	15.2	414.7	327.2	0.4	379.2	0.0	494.0
55.5	146.9	1561.7	0.0	-102.7	-65.8	388.2	47.6	0.8	15.6	417.2	327.2	0.4	389.0	0.0	502.0
56.5	149.4	1586.2	0.0	-105.1	-67.2	388.2	48.5	0.3	16.0	419.7	327.2	0.4	398.8	0.0	510.0
57.5	151.9	1610.7	0.0	-107.5	-68.6	388.2	49.4	0.8	16.4	422.2	327.2	0.4	408.6	0.0	518.0
58.5	154.4	1635.2	0.0	-109.9	-70.0	388.2	50.3	0.3	16.8	424.7	327.2	0.4	418.4	0.0	526.0
59.5	156.9	1659.7	0.0	-112.3	-71.4	388.2	51.2	0.8	17.2	427.2	327.2	0.4	428.2	0.0	534.0
60.5	159.4	1684.2	0.0	-114.7	-72.8	388.2	52.1	0.3	17.6	429.7	327.2	0.4	438.0	0.0	542.0
61.5	161.9	1708.7	0.0	-117.1	-74.2	388.2	53.0	0.8	18.0	432.2	327.2	0.4	447.8	0.0	550.0
62.5	164.4	1733.2	0.0	-119.5	-75.6	388.2	53.9	0.3	18.4	434.7	327.2	0.4	457.6	0.0	558.0
63.5	166.9	1757.7	0.0	-121.9	-77.0	388.2	54.8	0.8	18.8	437.2	327.2	0.4	467.4	0.0	566.0
64.5	169.4	1782.2	0.0	-124.3	-78.4	388.2	55.7	0.3	19.2	439.7	327.2	0.4	477.2	0.0	574.0
65.5	171.9	1806.7	0.0	-126.7	-79.8	388.2	56.6	0.8	19.6	442.2	327.2	0.4	487.0	0.0	582.0
66.5	174.4	1831.2	0.0	-129.1	-81.2	388.2	57.5	0.3	20.0	444.7	327.2	0.4	496.8	0.0	590.0
67.5	176.9	1855.7	0.0	-131.5	-82.6	388.2	58.4	0.8	20.4	447.2	327.2	0.4	506.6	0.0	598.0
68.5	179.4	1880.2	0.0	-133.9	-84.0	388.2	59.3	0.3	20.8	449.7	327.2	0.4	516.4	0.0	606.0
69.5	181.9	1904.7	0.0	-136.3	-85.4	388.2	60.2	0.8	21.2	452.2	327.2	0.4	526.2	0.0	614.0
70.5	184.4	1929.2	0.0	-138.7	-86.8	388.2	61.1	0.3	21.6	454.7	327.2	0.4	536.0	0.0	622.0
71.5	186.9	1953.7	0.0	-141.1	-88.2	388.2	62.0	0.8	22.0	457.2	327.2	0.4	545.8	0.0	630.0
72.5	189.4	1978.2	0.0	-143.5	-89.6	388.2	62.9	0.3	22.4	459.7	327.2	0.4	555.6	0.0	638.0
73.5	191.9	2002.7	0.0	-145.9	-91.0	388.2	63.8	0.8	22.8	462.2	327.2	0.4	565.4	0.0	646.0
74.5	194.4	2027.2	0.0	-148.3	-92.4	388.2	64.7	0.3	23.2	464.7	327.2	0.4	575.2	0.0	654.0
75.5	196.9	2051.7	0.0	-150.7	-93.8	388.2	65.6	0.8	23.6	467.2	327.2	0.4	585.0	0.0	662.0
76.5	199.4	2076.2	0.0	-153.1	-95.2	388.2	66.5	0.3	24.0	469.7					

STATION NO. 349
MONETT, MISSOURI28 MAY 1977
200 GMT

155 14. 0

TIME MIN	CNTCT	HEIGHT GDM	PRES IN	TEMP DEG C	DEW PT DEG C	DIR DEG	SPED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MX RTO G/M/KG	RM PCT	RANGE KM	AZ DEG
0.0	10.1	478.0	959.0	22.7	15.5	180.0	1.5	0.0	1.5	299.5	330.7	11.7	64.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	955.5	555.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.2	10.9	511.5	950.0	24.3	14.8	257.9	5.9	5.8	1.2	301.8	332.3	11.3	59.9	0.2	3.
1.1	13.1	745.2	929.0	23.4	13.4	250.7	4.7	4.4	1.5	303.5	332.3	10.6	52.8	0.3	23.
2.0	15.4	944.0	900.0	21.5	12.2	213.2	4.0	2.7	4.1	303.6	331.0	10.0	55.5	0.5	44.
3.0	19.0	1227.5	875.0	19.4	10.9	197.9	5.0	1.5	4.8	304.0	329.9	9.8	55.0	0.8	38.
3.9	20.5	1476.3	850.0	16.9	10.8	188.8	4.5	0.7	4.4	303.9	320.2	9.6	67.4	1.1	32.
4.9	23.0	1730.1	825.0	14.2	10.2	192.4	5.3	1.1	5.2	303.6	325.8	9.6	77.0	1.3	27.
5.7	25.6	1990.3	800.0	13.5	4.4	209.0	4.8	2.3	4.2	305.5	324.3	6.7	94.7	1.6	25.
6.4	28.1	2234.5	775.0	11.3	1.1	234.1	3.7	3.0	2.2	305.9	321.3	5.4	49.5	1.8	27.
7.7	30.9	2429.5	750.0	5.3	0.8	262.5	4.0	4.0	0.5	306.7	322.2	5.4	55.5	2.0	31.
8.8	33.7	2610.0	725.0	7.6	-1.3	267.2	6.2	6.2	0.3	307.4	321.7	4.8	53.2	2.2	39.
9.7	36.1	2794.6	700.0	6.7	-2.5	279.9	7.7	7.5	-1.3	309.5	322.8	4.5	53.0	2.5	47.
10.9	39.0	2995.7	675.0	3.9	-6.2	287.0	9.3	7.9	-2.4	310.0	318.9	3.0	48.0	3.0	57.
12.0	41.7	3201.0	650.0	1.3	-10.2	294.5	9.7	9.4	-2.4	310.4	318.3	2.6	40.1	3.2	64.
13.3	44.8	3415.2	625.0	-0.9	-26.9	294.5	9.7	9.9	-4.0	311.6	313.8	0.7	11.8	3.6	73.
14.3	47.8	3640.0	600.0	-2.7	-34.4	303.1	8.1	6.3	-4.4	313.0	314.1	0.3	6.6	4.2	78.
15.4	50.7	3874.3	575.0	-4.3	-44.9	300.3	9.1	7.8	-4.6	314.5	315.4	0.1	2.5	4.6	83.
16.7	53.9	4094.7	550.0	-6.9	-44.8	292.5	11.5	10.7	-4.4	315.9	316.3	0.1	3.0	5.2	88.
17.8	56.9	4315.9	525.0	-9.6	-49.0	285.1	11.2	10.4	-2.9	316.9	317.2	0.1	2.3	6.0	90.
19.1	60.1	4541.1	500.0	-11.6	-52.4	290.7	9.6	9.5	-1.8	319.9	319.1	0.1	1.2	6.8	92.
20.5	63.6	4762.3	475.0	-14.1	-51.7	276.5	8.5	8.5	-1.0	320.5	320.8	0.1	2.5	7.5	92.
21.9	66.9	4980.5	450.0	-16.4	-50.7	285.4	4.4	9.1	-2.2	323.7	323.0	0.1	3.4	8.2	93.
23.4	70.4	5199.0	425.0	-19.6	-52.3	294.5	11.8	10.7	-4.9	323.9	324.1	0.1	3.6	9.0	95.
25.0	74.0	5414.2	400.0	-23.7	-52.5	290.9	14.0	13.1	-5.0	324.2	324.4	0.1	5.0	10.2	97.
26.5	79.0	5630.7	375.0	-24.0	-52.7	285.4	13.7	13.2	-3.6	324.5	324.8	0.1	7.2	11.6	98.
28.7	81.9	5847.7	350.0	-22.1	-53.4	274.0	12.3	12.2	-1.7	325.5	325.8	0.1	9.9	13.0	99.
30.3	85.4	6061.9	325.0	-36.4	-55.7	250.8	11.2	10.5	3.7	326.5	326.8	0.1	11.5	14.3	98.
32.1	90.0	6282.4	300.0	-39.8	-59.9	201.9	12.7	4.7	11.7	329.3	329.5	95.9	955.9	15.6	95.
34.1	93.3	6497.7	275.0	-44.2	-59.5	149.2	14.1	2.3	13.9	331.2	331.2	99.9	999.9	15.2	88.
36.1	96.3	6713.2	250.0	-49.3	-59.9	215.3	12.2	7.2	9.9	332.7	332.7	99.9	999.9	15.9	83.
38.4	100.3	6929.2	225.0	-52.5	-59.9	225.7	11.6	8.4	8.2	337.9	337.9	99.9	999.9	17.3	80.
41.3	110.0	7143.9	200.0	-57.2	-59.9	212.4	13.9	7.4	11.7	342.2	342.2	99.9	999.9	18.4	75.
44.1	115.6	7361.4	175.0	-59.3	-59.9	257.7	14.9	14.5	3.2	352.0	352.0	99.9	999.9	20.9	72.
47.4	123.3	7579.4	150.0	-59.2	-59.9	301.0	13.5	11.6	-7.0	368.2	368.2	99.9	999.9	23.2	76.
50.9	129.0	7796.7	125.0	-60.6	-59.9	295.7	7.8	7.1	-3.4	385.2	385.2	99.9	999.9	25.8	80.
55.3	135.7	7997.9	100.0	-62.3	-59.9	304.4	3.7	3.0	-2.2	407.3	407.3	99.9	999.9	28.0	82.
61.0	144.0	8211.1	75.0	-63.3	-59.9	35.7	2.6	-1.5	-2.1	407.2	407.2	99.9	999.9	28.0	83.
69.3	152.3	8421.7	50.0	-58.6	-59.9	65.1	5.0	-4.5	-2.1	505.4	505.4	99.9	999.9	24.0	85.
82.1	150.3	8610.9	25.0	-51.0	-59.9	85.1	8.1	-8.0	-0.7	638.6	638.6	99.9	999.9	19.1	88.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN A AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 353
OKLAHOMA CITY, OKLAHOMA

TIME MIN	CMTCT	WFOHT GSM	PRTS W1	TEMP DG C	DFM PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GPM/KG	RH PCT	RANGE KM	AZ CG	146 14. 0	
3.0	9.2	103.0	543.0	23.7	20.1	140.0	5.1	-3.1	3.9	299.9	341.1	12.6	62.0	0.0	0.		
45.0	99.0	59.0	1033.0	69.0	99.0	99.0	99.0	59.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0		
92.0	99.0	59.0	575.0	99.0	99.0	99.0	99.0	59.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0		
0.2	10.1	491.6	543.0	24.2	99.0	154.6	11.4	-4.5	13.5	331.4	99.0	99.0	99.0	0.3	12.6		
1.1	12.0	717.0	524.0	21.3	14.5	163.1	11.4	-3.4	12.5	303.2	342.6	14.7	77.2	0.7	33.4		
2.0	14.1	844.5	907.0	21.7	17.6	171.4	12.7	-1.9	12.5	303.9	342.2	14.2	77.2	1.4	34.1		
3.0	15.1	1231.2	975.0	20.0	16.7	181.4	13.1	0.3	13.1	304.5	341.9	12.8	91.4	2.2	34.5		
4.0	16.4	1451.2	975.0	17.7	15.5	164.4	12.9	3.7	12.4	304.7	338.0	12.1	66.6	2.9	34.2		
4.8	20.4	1703.7	975.0	15.9	13.5	210.7	10.4	5.3	9.9	305.4	338.0	12.0	66.6	2.9	34.2		
5.8	22.7	1604.1	975.0	14.6	9.9	232.2	8.2	6.5	5.0	305.7	331.9	9.0	66.6	3.8	34.2		
6.7	25.1	2214.5	775.0	13.5	4.4	250.3	9.3	8.9	2.6	306.2	324.7	5.4	46.8	4.3	16.0		
7.7	27.4	2611.4	775.0	11.6	0.6	250.3	12.3	12.9	3.7	310.4	324.5	4.8	45.5	4.7	22.0		
8.0	29.7	2724.7	723.0	9.0	-1.3	257.3	13.4	11.7	2.6	310.2	324.1	4.5	45.5	5.2	30.0		
8.6	32.2	2850.0	703.0	7.5	-2.6	257.3	12.0	11.7	3.0	310.6	322.8	4.1	53.2	5.7	35.0		
10.4	34.9	3433.1	574.0	4.4	-8.3	244.3	11.7	11.3	2.7	311.5	321.8	2.5	50.1	6.3	35.0		
11.4	37.1	3933.2	453.0	2.2	-11.1	253.0	11.2	10.9	2.7	311.5	321.8	2.5	50.1	6.3	35.0		
12.4	39.3	4024.0	423.0	-1.2	-11.1	253.0	11.2	10.9	1.6	311.0	314.5	2.5	44.5	6.3	44.0		
13.2	41.7	4170.0	403.0	-0.1	-11.7	255.2	11.7	11.7	3.1	315.2	320.2	1.6	26.3	7.7	45.0		
15.4	43.1	4644.2	575.0	-3.2	-12.5	257.1	14.1	13.8	3.1	315.2	324.1	2.5	46.7	8.6	51.0		
16.3	46.0	5070.4	550.0	-4.6	-19.3	256.6	15.6	15.3	3.1	316.7	323.3	1.4	29.0	9.7	54.0		
18.2	50.4	5337.6	525.0	-7.1	-23.7	264.9	15.0	14.9	1.3	316.9	323.5	1.1	28.2	10.7	57.0		
18.4	51.8	5741.7	503.0	-10.4	-25.5	271.2	14.4	14.4	-0.3	320.4	323.6	1.0	27.5	11.6	60.0		
20.4	45.7	4144.3	475.0	-13.4	-24.0	275.3	15.2	15.2	-1.5	321.4	323.9	0.7	25.2	12.7	63.0		
22.1	50.9	4657.4	453.0	-15.3	-31.0	294.0	22.1	21.0	-1.2	323.5	325.1	0.5	26.7	13.2	66.0		
23.4	53.9	4650.2	403.0	-17.0	-33.1	294.0	21.0	20.2	-3.4	323.5	325.1	0.5	26.7	13.2	66.0		
25.4	64.6	7337.2	403.0	-27.0	-37.0	264.9	21.0	20.2	-3.4	323.5	325.1	0.5	26.7	13.2	66.0		
27.1	70.1	7034.5	475.0	-27.5	-40.7	263.3	19.6	18.5	-0.9	325.2	326.2	0.3	26.9	18.9	79.0		
28.9	73.7	8128.3	503.0	-31.5	-42.2	261.7	23.7	22.1	-10.2	327.1	327.8	0.2	20.1	20.9	82.0		
31.7	77.6	8014.2	303.0	-36.0	-43.6	262.3	24.9	24.9	-10.2	327.1	327.8	0.2	20.1	20.9	82.0		
32.6	81.5	8244.3	303.0	-40.5	-45.9	261.7	24.6	24.6	-10.9	323.3	999.9	99.9	99.9	26.4	86.0		
34.0	83.7	10055.1	275.0	-45.0	99.9	292.1	32.5	30.1	-11.2	323.6	99.9	99.9	99.9	26.4	86.0		
36.0	85.7	10431.6	240.0	-50.2	99.9	293.4	33.0	30.3	-11.2	323.6	99.9	99.9	99.9	26.4	86.0		
37.2	88.7	11747.2	240.0	-52.2	99.9	291.9	27.7	27.1	-1.7	323.6	99.9	99.9	99.9	26.4	86.0		
39.7	85.7	11747.2	240.0	-52.2	99.9	291.9	27.7	27.1	-1.7	323.6	99.9	99.9	99.9	26.4	86.0		
42.2	100.2	12121.0	203.0	-55.7	99.9	272.4	29.1	29.1	-1.2	343.1	99.9	99.9	99.9	26.4	86.0		
44.7	105.8	12545.4	174.0	-58.2	99.9	272.4	14.7	14.6	-2.6	352.9	99.9	99.9	99.9	26.4	86.0		
46.4	113.0	13074.4	151.0	-55.4	99.9	281.0	21.1	20.7	-4.0	367.7	99.9	99.9	99.9	26.4	86.0		
48.4	113.0	13074.4	151.0	-55.4	99.9	281.0	21.1	20.7	-4.0	367.7	99.9	99.9	99.9	26.4	86.0		
50.4	115.7	14047.6	120.0	-63.4	99.9	314.4	13.5	8.9	-10.1	405.7	99.9	99.9	99.9	26.4	86.0		
52.4	120.0	14047.6	100.0	-63.4	99.9	314.4	13.5	8.9	-10.1	405.7	99.9	99.9	99.9	26.4	86.0		
54.0	125.0	14047.6	75.0	-65.0	99.9	190.2	1.5	0.2	1.5	436.8	99.9	99.9	99.9	26.4	86.0		
56.0	135.3	20701.5	50.0	-58.9	99.9	54.4	6.4	-5.4	1.5	504.8	99.9	99.9	99.9	26.4	86.0		
58.4	135.3	20701.5	50.0	-58.9	99.9	54.4	6.4	-5.4	1.5	504.8	99.9	99.9	99.9	26.4	86.0		
60.4	150.5	25141.4	25.0	-41.2	99.9	64.7	6.6	-6.0	-2.8	538.2	99.9	99.9	99.9	26.4	86.0		

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OF TIME HAVE BEEN INTERPOLATED

** 3V SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 433
SALEM, ILLINOIS

24 MAY 1977
215 GMT

TIME MIN	CNTCT	WEIGHT GPM	DRFS MM	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SFC	U COMP M/SEC	V COMP M/SEC	POT T DG K	POT T DG K	MX PTO GM/KG	SH PCT	RANGE KM	AZ UG
0.0	7.7	177.0	547.0	21.3	14.6	220.0	1.6	1.0	1.2	297.4	325.9	10.7	58.0	162	12. 0
0.9	99.9	99.9	1000.0	59.9	99.9	99.9	99.9	99.9	9.9	99.9	99.9	99.9	58.0	0.0	0.
0.4	8.7	281.2	975.0	27.0	15.0	999.9	999.9	99.9	99.9	302.4	325.9	99.9	99.9	555.5	999.9
1.2	10.4	512.4	550.0	25.4	13.4	999.9	999.9	99.9	99.9	302.4	325.9	11.1	47.8	555.5	999.9
2.2	12.7	744.9	925.0	23.7	12.4	999.9	999.9	99.9	99.9	302.4	325.9	10.3	46.4	555.5	999.9
3.1	14.9	944.5	900.0	21.5	11.5	174.4	1.7	-0.1	3.7	301.5	325.9	9.9	45.3	0.6	242.
4.0	14.9	1224.1	875.0	18.9	10.4	174.4	4.5	-0.3	4.5	301.5	325.9	9.5	52.0	0.8	349.
5.0	19.2	1477.5	850.0	16.4	10.2	168.9	4.2	-0.8	4.1	303.4	325.9	9.1	57.8	1.0	252.
6.0	21.3	1771.3	925.0	14.2	9.7	161.5	4.9	-1.6	4.7	303.4	325.9	9.3	66.1	1.3	252.
7.1	27.5	1900.4	900.0	12.2	7.0	161.5	5.4	-1.5	5.2	304.2	325.9	9.2	78.5	1.5	350.
8.2	25.9	2246.2	775.0	10.4	3.2	168.4	4.6	-1.1	4.5	305.0	325.9	7.9	78.6	1.6	246.
9.3	29.7	2528.7	750.0	8.5	-0.4	187.4	4.3	0.6	4.9	305.0	325.9	6.3	61.1	2.2	348.
10.4	30.4	2407.9	725.0	6.8	-21.4	187.4	3.7	1.1	3.5	306.4	325.9	5.0	53.1	2.5	350.
11.7	33.4	2407.9	700.0	6.4	-25.3	173.1	1.9	-0.2	1.8	306.4	325.9	1.0	12.2	2.9	353.
12.9	35.0	2302.0	675.0	5.3	-22.2	166.4	2.4	-1.1	2.0	311.5	325.9	0.3	7.1	3.0	354.
14.1	34.6	2700.4	650.0	4.4	-20.1	162.2	1.4	-1.2	3.7	314.4	325.9	0.2	1.5	3.1	353.
15.4	41.1	4011.1	625.0	1.6	-22.1	157.6	5.7	-2.2	5.3	314.4	325.9	1.0	15.1	3.4	352.
16.0	44.0	4744.5	400.0	-0.6	-30.1	157.6	5.5	-2.4	4.9	315.5	325.9	0.5	6.5	3.6	251.
19.2	44.5	4744.5	575.0	-3.3	-24.8	161.4	5.4	-1.6	5.4	316.1	325.9	0.5	15.6	4.2	349.
19.7	50.0	5074.6	550.0	-4.3	-34.5	161.5	5.7	-1.4	5.4	316.1	325.9	0.4	7.3	5.1	348.
21.0	52.8	4397.1	525.0	-7.2	-34.9	179.6	5.0	-0.0	5.0	319.4	325.9	0.4	8.7	5.5	347.
22.1	45.7	4777.3	500.0	-10.1	-34.7	184.9	6.0	0.5	5.9	320.7	325.9	0.4	16.2	6.0	349.
23.9	40.0	6149.4	475.0	-13.7	-34.8	179.6	6.1	-0.0	6.1	321.0	325.9	0.3	12.2	6.5	255.
25.4	62.3	4744.1	450.0	-16.6	-34.5	191.4	5.9	0.1	5.9	322.3	325.9	0.2	12.6	7.1	351.
27.1	65.9	7094.4	425.0	-19.4	-42.8	163.4	5.4	-1.6	5.6	324.2	325.9	0.2	16.4	7.7	351.
31.0	73.0	7471.7	400.0	-22.8	-44.1	164.5	5.9	-0.7	6.2	324.1	325.9	0.2	12.3	8.3	250.
31.0	77.0	9414.7	325.0	-26.8	-30.7	173.2	6.1	-0.7	7.8	327.2	325.9	0.8	66.7	9.6	250.
34.0	80.9	8037.9	325.0	-30.8	-27.3	174.7	7.8	-0.2	7.5	328.8	325.9	0.4	48.6	10.8	351.
37.3	85.3	9490.9	300.0	-34.9	-41.8	175.9	7.5	-0.5	7.5	328.8	325.9	0.3	99.9	11.8	352.
39.6	89.7	10079.2	275.0	-44.9	-40.9	187.5	4.1	1.1	8.0	329.6	325.9	99.9	99.9	12.9	354.
42.2	86.4	10709.3	250.0	-40.9	-40.9	201.3	10.4	4.3	9.1	330.2	325.9	99.9	99.9	14.4	256.
44.7	99.4	11791.3	225.0	-54.4	-54.4	244.6	7.5	6.7	3.2	335.2	325.9	99.9	99.9	15.5	3.
47.4	105.3	12146.9	200.0	-60.0	-60.0	244.3	7.7	7.5	-1.9	337.8	325.9	99.9	99.9	14.9	9.
50.7	111.3	12443.4	175.0	-63.3	-63.3	217.6	5.1	3.4	0.1	366.3	325.9	99.9	99.9	14.8	11.
54.5	119.0	13015.4	150.0	-60.2	-60.2	259.1	5.1	5.1	0.1	366.3	325.9	99.9	99.9	14.4	16.
54.7	125.7	15091.4	125.0	-61.0	-61.0	259.1	4.3	1.3	-2.7	384.3	325.9	99.9	99.9	13.8	17.
63.7	134.0	16414.0	100.0	-61.0	-61.0	333.0	3.3	1.5	-2.9	410.0	325.9	99.9	99.9	12.6	15.
70.5	147.0	18210.5	75.0	-60.4	-60.4	310.6	2.5	1.9	-1.6	445.9	325.9	99.9	99.9	11.3	4.
79.1	157.7	25777.0	50.0	-57.4	-57.4	75.5	7.5	-7.3	-1.9	508.4	325.9	99.9	99.9	11.2	338.
93.5	163.0	25174.3	25.0	-53.4	-53.4	999.9	999.9	99.9	99.9	630.1	325.9	99.9	99.9		

* BY SPOD MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OF TIME HAVE BEEN INTERPOLATED

** BY SPOD MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 436
TOPPRA, KANSAS28 MAY 1977
200 GMT

TIME MIN	CNTCT	WEIGHT GPM	PKCS MB	TEMP DEG C	DFW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E PCT T DEG K	MX RTO GP/KG	RH PCT	RANGE KM	AZ DEG
00	00	249.0	675.5	22.4	19.2	140.0	2.6	-1.3	2.3	299.1	136.2	14.5	80.0	181	17.0
00.9	00.9	249.0	1000.0	99.9	99.9	99.9	92.3	99.9	99.9	53.9	999.9	99.9	999.9	999.9	999.9
00	00	272.5	975.0	23.0	19.1	153.7	2.6	-1.2	2.4	295.3	336.3	14.5	75.0	999.9	999.9
1.0	10.7	500.7	950.0	23.0	19.7	197.9	4.3	1.0	4.2	301.5	333.6	12.0	60.3	0.4	177.
1.0	13.0	731.5	925.0	21.7	14.1	204.3	4.9	2.0	4.5	301.5	331.3	11.1	62.2	0.1	138.
2.0	15.4	971.2	500.0	19.4	14.0	249.7	4.6	4.1	1.6	301.9	332.1	11.3	65.2	0.2	76.
3.7	17.6	1211.8	875.0	17.7	13.5	240.5	10.0	4.7	5.0	302.2	332.6	11.3	76.7	0.6	93.
4.7	20.1	1451.3	850.0	15.4	12.4	194.3	10.3	4.5	17.7	302.3	331.4	10.7	82.0	1.3	39.
5.7	22.4	1714.3	825.0	13.4	11.3	167.3	11.4	-3.3	11.0	302.6	330.6	10.3	88.1	2.0	33.
6.6	24.9	1977.0	800.0	11.5	9.0	202.3	10.4	3.9	9.6	303.4	329.7	9.6	89.2	2.4	19.
7.5	27.2	2239.4	775.0	9.5	8.1	227.7	10.5	7.0	7.1	304.0	328.3	8.8	91.9	3.5	24.
8.5	29.9	2510.0	750.0	8.4	7.7	250.2	10.7	8.9	6.0	304.1	325.6	7.7	91.9	3.5	29.
9.4	32.5	2749.0	725.0	7.3	-8.5	247.4	11.9	11.0	4.6	307.5	316.0	2.8	32.3	4.3	36.
11.1	35.4	3077.0	700.0	5.9	-13.3	250.5	12.1	11.4	4.0	309.0	315.0	2.0	33.7	5.0	41.
12.3	37.9	3373.2	675.0	3.1	-14.5	247.5	13.1	12.1	5.0	309.1	314.8	1.8	25.9	5.9	46.
13.7	40.5	3677.7	650.0	0.3	-14.9	244.9	14.2	12.8	6.0	309.3	315.0	1.8	26.8	6.5	49.
14.0	43.4	3990.6	625.0	-2.0	-27.4	240.1	15.5	14.5	5.5	310.2	312.3	0.6	12.2	8.1	51.
15.3	46.4	4314.1	600.0	-3.4	-35.5	245.0	12.1	11.6	3.1	312.2	313.3	0.3	6.1	9.1	54.
17.7	49.4	4644.0	575.0	-6.1	-37.2	247.7	9.9	9.2	3.8	312.8	313.7	0.3	6.4	9.9	56.
19.1	52.3	4994.0	550.0	-8.4	-38.7	240.3	11.3	9.4	5.0	313.7	314.5	0.2	6.7	10.8	56.
20.5	55.3	5347.7	525.0	-11.1	-40.4	244.5	12.4	11.7	5.5	315.1	315.8	0.2	6.8	11.8	57.
23.7	58.4	5777.0	500.0	-12.6	-44.2	235.0	16.3	13.5	9.1	317.4	318.2	0.1	5.1	13.2	57.
25.4	61.7	6117.3	475.0	-14.5	-46.6	214.7	13.4	8.4	10.4	320.1	320.5	0.1	4.9	14.7	56.
27.1	65.1	6524.4	450.0	-17.0	-50.1	212.2	9.0	4.8	7.6	320.8	321.2	0.1	4.0	15.7	55.
29.1	68.4	6947.5	425.0	-21.1	-51.2	237.2	9.0	7.2	5.4	322.0	322.3	0.1	4.7	16.5	54.
29.9	71.4	7397.4	400.0	-25.1	-50.1	244.0	12.4	11.1	5.4	322.3	322.7	0.1	7.7	17.6	55.
32.7	74.4	7854.0	375.0	-29.1	-51.2	236.9	12.9	10.8	7.1	323.0	323.4	0.1	5.7	19.1	55.
34.2	77.4	8347.4	350.0	-33.3	-51.6	225.4	12.1	8.6	8.5	323.9	324.3	0.1	13.8	20.6	55.
37.1	80.2	8847.8	325.0	-38.2	-50.9	214.4	12.4	7.0	10.3	324.0	324.9	0.1	95.9	22.1	54.
39.6	83.5	9347.5	300.0	-42.5	-49.9	204.4	14.0	6.1	12.6	325.4	325.9	0.1	99.9	23.7	52.
42.3	86.0	9847.2	275.0	-46.4	-49.9	195.2	16.6	2.4	16.4	324.2	324.9	0.1	95.9	25.5	45.
45.0	89.4	10427.4	250.0	-50.9	-49.9	182.6	17.4	3.9	17.4	334.9	334.9	0.1	95.9	27.7	45.
47.3	92.0	11099.3	225.0	-52.9	-49.9	168.9	14.6	4.7	17.8	337.4	337.4	0.1	95.9	30.1	43.
49.3	95.2	12047.0	200.0	-55.4	-49.9	203.3	14.6	6.5	15.1	342.7	342.7	0.1	95.9	32.2	40.
51.4	98.5	13090.9	175.0	-58.9	-49.9	240.6	14.4	12.5	7.0	356.1	356.1	0.1	95.9	35.7	40.
53.4	101.5	14047.4	150.0	-64.0	-49.9	270.7	13.1	12.9	-2.2	370.2	370.2	0.1	95.9	38.2	40.
59.5	124.5	15029.8	125.0	-61.1	-49.9	276.3	6.3	6.2	-0.7	384.4	384.4	0.1	95.9	39.3	47.
64.7	131.7	16415.1	100.0	-60.4	-49.9	267.5	2.4	2.4	0.3	410.4	410.4	0.1	95.9	40.2	48.
71.2	139.3	18144.2	75.0	-63.2	-49.9	285.8	7.3	2.2	-0.4	440.4	440.4	0.1	95.9	40.1	48.
80.4	147.3	20713.1	50.0	-57.8	-49.9	44.4	7.4	-6.7	-3.2	507.3	507.3	0.1	95.9	38.2	47.
93.1	155.4	23143.6	25.0	-52.2	-49.9	74.6	7.3	-7.0	-1.9	635.1	635.1	0.1	95.9	33.3	46.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 553
ORINA, NEBRASKA28 MAY 1977
208 GMT

161 18. 0

VIEW	CNTCT	WRIGHT	PRES	TEMP	DEW PT	DIV	SPEED	U COMP	V COMP	POT T	E POT T	PR BTG	PH	RANGE	AZ
MIN		GM	MB	DEG C	DEG C	DEG	M/SEC	M/SEC	M/SEC	DEG K	DEG K	GM/SEC	PCT	KM	DEG
0.0	9.4	400.0	979.5	10.5	16.7	125.0	2.1	-0.5	2.7	296.1	320.2	12.6	54.0	0.0	0
00.9	00.9	400.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	955.5	598.9	99.0
00.9	00.9	400.0	975.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	995.0	990.0	99.0
00.9	10.5	400.0	950.0	20.4	99.0	175.5	1.5	-0.5	3.5	297.9	99.0	99.0	955.9	9.1	350
1.1	12.5	400.0	925.0	18.0	16.1	175.5	4.2	1.4	4.0	298.5	331.9	12.6	64.7	0.3	350
2.0	15.0	400.0	900.0	17.7	14.1	219.7	6.7	4.3	5.1	298.0	330.2	11.4	79.4	0.5	10
2.4	17.3	1100.0	975.0	16.9	12.5	227.5	8.4	6.2	5.7	301.3	329.6	10.5	75.6	0.9	20
7.7	19.9	1470.4	850.0	15.0	11.1	274.6	8.9	6.3	6.4	301.3	328.6	9.9	77.6	1.3	24
4.0	22.2	1462.4	825.0	13.0	9.1	217.6	8.9	4.9	7.4	307.2	327.6	8.5	73.0	1.8	37
5.5	24.3	1452.1	800.0	12.1	6.7	205.1	8.9	3.7	7.9	304.1	325.0	7.5	67.0	2.3	35
6.4	27.3	1471.0	775.0	10.3	4.9	204.4	9.1	3.8	8.3	304.9	324.7	7.1	69.1	2.9	32
7.5	30.0	2450.1	750.0	8.1	4.1	205.2	10.3	4.4	9.3	305.4	325.0	7.0	76.7	3.3	31
9.2	32.8	2779.3	725.0	5.4	3.2	209.5	9.1	4.2	7.4	307.5	325.1	7.0	82.4	3.8	31
10.4	34.4	3151.9	700.0	4.4	-0.9	219.5	6.1	4.3	5.2	307.4	322.7	5.3	71.1	4.3	31
11.6	36.1	3454.5	675.0	3.0	-4.7	231.1	9.0	6.2	5.0	309.0	320.9	4.0	56.5	5.3	35
12.9	37.3	3757.1	650.0	0.6	-7.2	246.4	7.9	6.6	4.4	309.4	319.7	3.4	56.2	5.8	37
14.1	38.4	4059.7	625.0	-2.0	-9.5	259.7	7.6	6.6	4.2	310.2	319.1	3.0	47.2	6.4	36
15.3	39.4	4362.3	600.0	-4.5	-14.7	270.1	7.7	5.9	5.0	310.9	317.5	2.1	47.2	7.0	39
16.5	40.4	4664.9	575.0	-5.2	-31.2	284.9	9.5	6.0	5.0	313.9	314.9	0.3	6.3	7.6	40
17.9	41.5	4967.5	550.0	-7.6	-34.1	297.1	8.3	6.7	5.0	315.0	317.4	0.4	16.1	7.6	40
19.3	42.6	5270.1	525.0	-10.3	-39.5	307.3	8.5	7.8	3.3	316.1	317.0	0.2	7.2	8.3	41
20.6	43.4	5572.7	500.0	-13.0	-47.2	319.0	10.2	9.8	3.0	316.6	317.0	0.1	3.9	8.9	44
22.0	44.1	5875.3	475.0	-15.7	-47.7	324.0	13.6	12.4	6.1	317.4	318.2	0.1	5.2	9.7	46
23.5	44.7	6177.9	450.0	-18.3	-54.0	322.6	12.6	8.5	9.1	320.2	320.4	0.1	2.6	10.9	47
25.2	45.6	6480.5	425.0	-21.2	-55.0	301.5	11.6	4.3	10.8	321.9	322.1	0.0	3.0	11.9	48
26.8	46.7	6783.1	400.0	-24.4	-55.6	169.9	9.7	3.3	9.1	323.1	323.5	0.0	3.7	12.0	49
28.6	47.7	7085.7	375.0	-28.7	-51.4	167.4	11.2	3.3	10.7	324.6	324.0	0.1	8.6	13.7	49
30.1	48.8	7388.3	350.0	-32.8	-54.9	147.0	14.9	1.4	14.8	324.5	324.7	0.1	8.9	15.0	50
31.5	49.9	7690.9	325.0	-36.1	-51.3	171.8	21.4	-2.3	21.2	327.0	327.4	0.1	19.2	16.4	50
32.9	51.3	7993.5	300.0	-39.6	-59.0	154.2	28.7	-7.8	27.6	329.5	99.0	99.0	555.5	18.4	50
34.3	52.7	8296.1	275.0	-43.7	-59.0	159.3	30.4	-10.9	27.4	331.9	99.0	99.0	995.9	21.2	21
35.7	54.1	8598.7	250.0	-48.4	-59.0	159.3	30.4	-12.4	27.4	331.9	99.0	99.0	995.9	24.4	15
37.1	55.5	8901.3	225.0	-52.2	-59.0	159.2	29.8	-11.1	27.7	331.9	99.0	99.0	995.9	28.1	9
38.5	56.9	9203.9	200.0	-55.7	-59.0	171.9	36.3	-3.7	26.0	343.2	99.0	99.0	995.9	32.0	5
39.9	58.3	9506.5	175.0	-59.3	-59.0	205.5	16.4	7.1	14.8	350.1	99.0	99.0	995.9	35.2	5
41.3	59.7	9809.1	150.0	-63.7	-59.0	224.7	8.9	6.6	5.0	374.1	99.0	99.0	995.9	37.5	7
42.7	61.1	10111.7	125.0	-67.7	-59.0	244.7	5.1	4.6	3.2	390.8	99.0	99.0	995.9	39.3	9
44.1	62.5	10414.3	100.0	-71.7	-59.0	264.2	7.7	1.5	3.3	416.1	99.0	99.0	995.9	39.3	10
45.5	63.9	10716.9	75.0	-75.7	-59.0	289.7	3.1	2.9	-1.0	443.2	99.0	99.0	995.9	39.3	9
46.9	65.3	11019.5	50.0	-79.7	-59.0	63.0	7.2	-6.4	-3.3	510.8	99.0	99.0	995.9	39.3	7
48.3	66.7	11322.1	25.0	-83.7	-59.0	94.5	9.5	-8.5	0.7	637.3	99.0	99.0	995.9	37.5	380

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG
 0 N. TEMP MEAN TEMPERATURE OF TIME HAVE BEEN INTERPOLATED
 0 N. SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 562
 NORTH PLATTE, NEBRASKA

 28 MAY 1977
 300 GMT

TIME MIN	CNTCY	WRIGHT GPM	PRS MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	RA RTO CM/KG	RH PCT	RANGE KM	AZ DG
0.0	14.2	147.0	909.9	16.1	9.9	250.0	2.1	2.0	0.7	297.2	319.4	0.3	15.0	0.0	0.
00.0	10.0	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.4	15.2	940.5	900.0	18.5	99.9	999.9	99.9	99.9	99.9	300.5	999.9	99.9	99.9	999.9	999.9
1.1	17.3	1192.6	875.0	19.5	4.3	999.9	999.9	99.9	99.9	304.1	320.9	6.0	26.7	999.9	999.9
2.0	19.8	1470.4	850.0	16.8	3.7	999.9	999.9	99.9	99.9	303.8	320.4	5.9	41.7	999.9	999.9
2.0	22.0	1684.5	825.0	15.0	3.5	277.8	7.1	7.0	-1.0	304.4	321.3	5.0	46.1	999.9	999.9
3.4	24.5	1944.5	800.0	12.6	2.7	259.5	7.6	7.5	1.4	304.5	321.4	5.9	51.2	1.2 108.	1.2 108.
4.9	25.8	2209.8	775.0	10.6	1.9	243.1	8.0	7.1	3.6	305.2	321.4	5.7	54.6	1.7 97.	1.7 97.
4.1	29.4	2482.2	740.0	8.1	1.0	228.9	6.7	5.1	4.4	305.4	321.0	5.5	60.7	2.1 87.	2.1 87.
7.1	32.0	2761.0	725.0	5.4	-1.1	220.6	5.7	4.2	4.7	305.4	319.3	4.9	62.8	2.4 81.	2.4 81.
9.3	34.7	3047.3	700.0	3.5	-3.4	239.1	5.4	4.7	4.7	306.4	318.7	4.2	68.3	2.7 77.	2.7 77.
9.4	37.2	3342.9	675.0	1.9	-5.2	252.1	6.2	5.9	5.9	307.8	319.1	3.8	75.0	3.1 76.	3.1 76.
10.4	40.0	3648.5	650.0	-0.6	-7.2	254.2	7.2	7.0	5.7	308.2	318.4	3.4	81.2	3.5 75.	3.5 75.
11.4	42.4	3959.2	625.0	-2.9	-9.8	274.4	8.5	9.5	-0.3	309.3	318.0	2.9	85.8	4.0 74.	4.0 74.
12.6	45.4	4290.3	600.0	-5.7	-12.2	291.9	9.2	8.5	-3.4	309.6	317.2	2.5	90.9	4.5 70.	4.5 70.
13.7	48.3	4612.2	575.0	-9.1	-15.2	297.4	9.5	8.4	-4.4	309.3	316.6	2.4	95.9	5.0 64.	5.0 64.
15.0	51.1	4946.1	550.0	-12.4	-18.4	290.6	10.9	10.1	-3.8	311.0	315.8	0.9	99.9	5.7 82.	5.7 82.
15.3	54.3	5213.5	525.0	-12.7	-20.8	284.1	11.1	10.1	-4.1	313.2	314.3	1.0	99.9	6.5 91.	6.5 91.
17.7	57.1	5494.5	500.0	-14.9	-22.7	298.9	11.4	10.2	4.1	315.0	317.6	0.8	99.9	7.4 84.	7.4 84.
19.1	60.4	5770.2	475.0	-18.1	-24.5	290.7	10.0	9.3	-3.5	315.5	319.1	1.1	99.9	8.2 97.	8.2 97.
20.1	63.7	6071.5	450.0	-21.5	-26.4	273.6	11.1	11.1	-0.7	316.2	318.9	0.8	99.9	8.9 87.	8.9 87.
21.5	65.9	6380.1	425.0	-25.0	-27.7	258.4	11.9	11.6	2.4	316.9	318.7	0.5	99.9	9.8 86.	9.8 86.
23.0	70.4	6728.4	400.0	-28.0	-30.7	254.9	11.2	10.9	2.9	318.6	320.0	0.4	99.9	10.8 84.	10.8 84.
24.8	74.0	7049.7	375.0	-31.4	-34.5	250.3	11.7	11.0	3.9	319.5	320.5	0.3	99.9	11.9 82.	11.9 82.
26.4	77.7	7372.1	350.0	-36.0	-36.7	243.2	10.9	9.7	4.0	320.3	320.8	0.2	99.9	13.0 90.	13.0 90.
28.1	81.5	7722.2	325.0	-40.3	-39.9	230.0	11.9	10.1	6.3	321.1	999.9	99.9	99.9	99.9	99.9
29.3	85.4	8072.7	300.0	-45.1	-42.5	246.8	14.0	12.9	5.5	321.8	999.9	99.9	99.9	15.2 85.	15.2 85.
31.0	89.4	8404.0	275.0	-48.9	-45.9	268.7	16.9	16.3	1.5	324.6	999.9	99.9	99.9	17.1 94.	17.1 94.
32.0	94.4	8721.4	250.0	-50.2	-48.9	258.7	16.2	16.2	0.4	331.5	999.9	99.9	99.9	19.5 85.	19.5 85.
33.7	98.2	9049.7	225.0	-50.3	-49.9	255.4	15.4	12.0	3.1	341.5	999.9	99.9	99.9	21.4 85.	21.4 85.
35.2	104.2	9374.6	200.0	-51.7	-49.7	238.9	16.3	14.0	8.4	350.8	999.9	99.9	99.9	23.3 83.	23.3 83.
42.1	110.0	9746.0	175.0	-51.4	-49.4	243.8	19.6	17.9	8.0	365.1	999.9	99.9	99.9	26.4 80.	26.4 80.
43.5	114.0	10050.3	150.0	-51.4	-49.9	241.0	11.3	9.9	5.5	381.5	999.9	99.9	99.9	29.4 79.	29.4 79.
49.0	123.0	10514.4	125.0	-57.8	-49.9	242.8	11.1	9.9	5.1	390.4	999.9	99.9	99.9	31.5 77.	31.5 77.
53.9	131.0	10818.9	100.0	-59.5	-49.9	211.7	6.1	3.2	5.2	412.7	999.9	99.9	99.9	33.8 76.	33.8 76.
59.7	139.7	11211.3	75.0	-62.0	-49.9	140.5	7.0	-1.0	2.8	443.0	999.9	99.9	99.9	34.4 74.	34.4 74.
66.3	149.7	11754.4	50.0	-56.4	-49.5	599.9	99.9	99.9	99.9	510.6	999.9	99.9	99.9	32.6 73.	32.6 73.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	59.9	999.9	99.9	99.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 4 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 654
MURON, SOUTH DAKOTA

24 MAY 1977
300 GMT

146 18. 0

TIME MIN	CNTCT	MFIGHT GDM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	F POT Y DG K	MX RYO GM/KG	RH FCT	RANGE KM	AZ CG
0.0	10.1	792.0	558.0	16.2	15.8	150.0	6.2	-2.1	5.8	295.0	326.1	11.9	26.0	0.0	0.
00.9	00.9	93.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.9	00.9	99.9	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.2	10.7	448.2	950.0	1.0	15.9	157.6	11.6	-2.5	11.3	295.5	327.1	17.1	87.5	0.2	348.
00.9	12.4	693.9	925.0	17.4	15.2	177.6	12.9	-0.6	12.9	297.1	328.4	11.9	67.3	0.7	347.
1.9	15.1	627.3	500.0	15.9	13.6	193.6	11.0	2.6	10.7	297.9	327.1	11.0	66.1	1.3	356.
2.6	17.1	1146.9	975.0	15.0	9.1	212.0	9.7	5.1	9.2	299.4	322.1	8.4	67.7	1.7	4.
3.4	19.5	1412.4	940.0	14.4	2.8	227.7	9.6	4.4	5.8	301.4	317.0	8.6	48.3	2.1	12.
4.4	21.4	1464.1	925.0	13.2	-1.0	237.2	9.2	6.9	4.5	302.6	314.9	4.3	37.4	2.5	18.
5.3	24.7	1091.7	800.0	10.9	-2.7	234.9	7.4	6.1	4.3	303.6	314.0	3.9	38.8	2.8	24.
6.1	26.5	2145.4	775.0	9.0	-7.4	221.9	7.0	4.9	5.1	302.5	312.0	2.9	30.8	3.1	27.
7.0	29.1	2455.0	750.0	7.4	-19.0	227.2	6.3	4.6	4.3	304.6	308.2	1.1	13.2	3.5	28.
8.1	31.7	2773.5	725.0	4.3	-19.6	231.1	6.6	4.1	4.1	304.9	308.4	1.1	14.5	3.9	30.
9.0	34.2	7018.7	700.0	3.1	-22.1	232.2	5.2	4.5	5.0	306.1	309.1	0.9	13.5	4.2	32.
9.9	36.7	1312.2	675.0	1.3	-27.0	243.4	9.3	8.3	4.2	307.1	309.1	0.6	10.0	4.7	35.
11.1	39.4	7414.4	650.0	-0.9	-32.6	245.1	9.5	9.2	2.4	308.0	309.3	0.4	6.8	5.2	39.
12.1	42.0	7024.1	625.0	-3.2	-32.0	232.7	8.9	8.5	2.7	308.3	310.1	0.4	8.6	5.7	42.
13.2	44.9	4270.7	600.0	-5.4	-36.6	231.5	8.0	7.1	3.5	309.4	310.8	0.3	6.5	6.2	45.
14.4	47.9	4570.4	575.0	-8.1	-40.3	229.0	7.9	6.7	4.2	310.5	311.2	0.2	5.4	6.7	48.
15.4	50.6	4921.5	550.0	-10.4	-43.2	236.0	9.5	7.9	5.3	311.7	312.1	0.1	2.7	7.3	47.
16.4	53.5	5279.6	525.0	-13.1	-47.0	235.9	10.6	7.6	7.4	312.5	313.0	0.2	6.1	8.1	47.
17.1	55.4	5640.7	500.0	-15.9	-46.4	214.5	10.2	5.8	8.4	313.7	314.1	0.1	5.2	8.9	47.
19.4	59.4	6077.4	475.0	-19.0	-44.2	201.0	10.5	3.8	9.9	314.5	314.6	0.1	5.2	9.7	45.
20.9	62.9	6474.9	450.0	-19.4	-51.9	184.1	12.3	0.9	12.3	314.3	316.6	0.1	3.9	10.5	42.
22.4	64.0	6854.3	425.0	-22.4	-63.8	191.9	16.2	0.5	16.2	319.8	319.9	0.0	1.2	11.5	38.
23.9	69.4	7204.7	400.0	-25.9	-61.2	183.2	20.4	-3.8	20.1	321.4	321.5	0.0	2.1	12.7	34.
25.5	73.0	7742.9	375.0	-28.4	-51.9	159.9	26.3	-9.0	24.7	324.0	324.3	0.1	8.4	14.3	26.
27.1	74.9	8257.9	350.0	-31.8	-36.7	159.9	33.1	-11.4	31.1	325.5	327.5	0.5	61.9	16.4	16.
28.9	80.4	8774.4	325.0	-34.7	-43.9	153.7	36.4	-16.1	32.6	328.9	329.8	0.2	38.7	19.4	12.
30.0	84.4	9324.2	303.0	-39.6	-42.8	149.6	37.4	-19.1	32.6	329.6	330.7	0.3	70.9	22.9	4.
31.9	84.9	9917.4	275.0	-44.1	99.9	144.5	37.4	-19.5	31.9	331.1	331.1	99.9	95.6	26.9	359.
35.1	93.5	10549.4	250.0	-48.5	99.9	150.3	37.5	-19.6	32.6	332.5	332.5	99.9	99.9	31.1	354.
37.4	94.2	11273.1	225.0	-53.5	99.9	153.4	36.7	-15.3	33.4	336.5	336.5	99.9	95.9	25.9	251.
40.0	103.2	11945.2	200.0	-54.1	95.5	153.3	30.7	-12.9	27.9	343.9	343.9	99.9	99.9	41.2	349.
42.9	104.4	12570.4	175.0	-54.7	99.9	171.0	19.3	-3.0	19.1	359.7	359.7	99.9	95.9	45.7	348.
44.7	116.4	13410.4	150.0	-54.7	99.9	182.2	10.5	0.4	10.5	375.9	375.9	99.9	95.9	48.2	349.
50.7	121.3	14346.4	125.0	-56.4	99.9	187.2	7.0	0.3	7.0	392.7	392.7	99.9	99.9	50.2	349.
54.9	124.7	14390.7	100.0	-59.1	99.9	172.0	6.0	-0.8	5.9	413.1	413.1	99.9	95.9	52.0	350.
61.1	134.4	14944.4	75.0	-59.2	99.9	119.1	4.5	-3.9	2.1	448.9	448.9	99.9	99.9	53.7	346.
69.4	144.7	20741.0	50.0	-57.0	99.9	79.5	7.5	-7.4	-1.4	509.2	509.2	99.9	95.9	53.7	346.
81.9	152.7	24100.4	25.0	-52.4	99.9	42.7	9.1	-9.0	-1.2	634.5	634.5	99.9	95.9	55.7	248.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN / AND 10 DEG
 * BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 662
 RAPID CITY, SOUTH DAKOTA

 24 MAY 1977
 301 GMT

TIME MIN	CNTCT	WRIGHT GPM	PLFS HR	TEMP DG C	DEW PT DG C	DIN DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	15.4	964.0	997.7	16.7	11.2	120.0	3.1	-2.7	1.5	299.3	324.7	5.4	70.0	0.0	0.
99.0	99.0	99.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.9	99.0	999.9	999.9	999.9
99.0	99.0	99.0	975.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.9	99.0	999.9	999.9	999.9
99.0	99.0	99.0	550.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.9	99.0	999.9	999.9	999.9
99.0	99.0	99.0	923.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.9	99.0	999.9	999.9	999.9
99.0	99.0	99.0	500.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.9	99.0	999.9	999.9	999.9
0.7	1.2	1148.2	875.0	19.7	14.4	265.5	1.3	1.3	0.1	304.3	326.4	8.0	48.0	0.2	324.
1.5	1.2	1297.4	850.0	19.4	4.0	237.6	2.0	1.7	1.1	305.7	322.7	6.0	38.0	0.3	332.
2.6	21.9	1642.8	825.0	17.1	1.6	258.7	4.2	4.1	0.6	306.7	321.7	5.0	35.0	0.3	324.
4.8	25.6	1914.4	800.0	15.1	0.5	257.1	6.4	6.3	1.4	307.2	321.6	5.0	30.9	0.6	57.
6.1	23.1	2181.0	775.0	12.4	-1.4	253.0	7.7	7.4	2.3	307.2	320.1	4.5	25.1	1.0	64.
7.4	31.3	2485.4	750.0	9.6	-1.9	251.3	9.5	9.0	3.1	307.0	319.5	4.5	24.5	1.7	67.
9.4	34.4	2774.0	725.0	6.9	-2.8	251.4	9.2	8.7	2.9	307.1	319.5	4.3	19.7	2.4	68.
9.7	34.9	2971.5	700.0	4.5	-3.2	251.9	9.3	8.9	2.9	307.5	320.1	4.2	17.6	3.1	65.
10.7	39.9	3119.6	675.0	2.0	-4.5	252.2	9.8	9.4	2.7	307.9	319.6	4.1	16.2	3.7	70.
11.9	42.4	3231.7	650.0	-1.0	-5.9	250.5	10.5	10.4	1.7	307.8	318.2	3.5	14.0	4.3	71.
13.1	45.3	3354.6	600.0	-6.6	-13.4	261.9	12.2	12.0	1.7	308.5	315.5	2.3	12.3	5.0	73.
14.2	49.4	3485.4	575.0	-8.2	-17.2	260.7	13.0	12.9	2.1	309.2	314.6	1.7	10.3	5.9	74.
15.6	51.3	3608.6	550.0	-10.3	-21.2	263.4	12.4	12.3	1.4	311.2	313.3	1.3	8.2	7.8	76.
16.9	54.4	3724.6	525.0	-13.4	-25.4	250.0	12.0	11.8	2.3	312.3	312.3	0.9	5.6	8.8	77.
18.2	57.4	3851.7	500.0	-16.4	-31.2	250.6	9.2	8.7	3.0	313.1	314.9	0.6	2.2	9.6	76.
19.6	60.6	3976.8	475.0	-20.2	-38.6	247.8	9.3	9.6	3.4	313.0	314.5	0.4	2.8	10.3	76.
20.9	64.3	4095.3	450.0	-23.4	-43.7	239.8	12.2	10.5	6.1	313.2	315.1	0.4	2.8	11.1	75.
22.2	67.4	4215.6	425.0	-26.4	-48.2	238.5	15.6	12.7	9.1	314.7	316.4	0.5	4.2	12.3	73.
24.0	71.1	4340.0	400.0	-30.3	-43.6	235.9	16.7	13.9	9.4	315.6	316.3	0.2	2.7	13.8	71.
25.3	74.0	4460.5	375.0	-37.8	-40.2	230.3	15.6	13.4	7.9	315.8	317.2	0.1	1.3	15.1	70.
26.9	79.0	4580.1	350.0	-37.7	-53.4	248.7	12.9	11.6	5.2	317.9	318.2	0.1	1.4	16.4	69.
28.6	83.0	4704.5	325.0	-41.4	-59.9	242.1	12.7	11.2	5.9	319.1	319.9	0.1	1.4	17.4	68.
30.6	87.3	4824.5	300.0	-46.5	-65.5	241.9	12.2	10.8	5.8	319.1	319.9	0.1	1.4	18.2	68.
32.6	92.0	4944.8	275.0	-50.5	-69.9	232.9	11.9	11.0	8.3	322.2	319.9	0.1	1.4	19.7	68.
35.1	95.4	5064.7	250.0	-49.0	-65.9	200.4	11.5	4.0	10.8	323.3	319.9	0.1	1.4	20.7	68.
37.9	101.9	5185.0	225.0	-47.1	-61.9	172.2	11.9	-1.6	11.8	326.3	319.9	0.1	1.4	21.7	68.
40.4	107.5	5305.1	200.0	-48.3	-61.9	192.5	12.7	2.9	12.4	356.3	319.9	0.1	1.4	22.2	57.
43.7	113.3	5425.2	175.0	-49.2	-61.9	195.2	10.5	2.7	10.1	359.5	319.9	0.1	1.4	22.8	54.
46.2	119.9	5545.3	150.0	-53.6	-61.9	213.0	11.0	6.0	9.2	377.7	319.9	0.1	1.4	23.7	52.
49.0	126.9	5665.4	125.0	-55.4	-61.9	204.0	9.5	3.9	6.7	394.0	319.9	0.1	1.4	24.6	50.
51.0	134.9	5785.5	100.0	-55.3	-61.9	214.8	4.4	2.7	3.9	420.8	319.9	0.1	1.4	25.2	48.
52.5	141.7	5905.6	75.0	-59.7	-61.9	216.1	2.4	1.6	2.3	447.7	319.9	0.1	1.4	25.8	47.
54.0	149.3	6025.7	50.0	-57.7	-61.9	340.2	5.1	1.7	-4.4	512.3	319.9	0.1	1.4	26.2	46.
56.2	157.0	6145.8	25.0	-50.6	-61.9	45.7	9.5	-7.4	-5.4	639.1	319.9	0.1	1.4	26.8	34.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 4 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 11001
MARSHALL SFC, ALABAMA

20 MAY 1977
240 GMT

TIME MFW	CNTCT	HEIGHT GOW	PREC MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PJT Y DG K	F POT Y DG K	MX PTO GM/KG	RM PCT	RANGE KM	AZ DG
00.0	4.7	180.0	949.1	24.0	19.7	70.0	2.1	-2.0	-0.7	299.1	337.0	14.8	77.0	0.0	0.
03.0	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
04.0	7.7	309.2	975.0	22.0	18.4	69.5	99.9	59.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
05.0	0.6	431.5	350.0	21.1	17.7	111.7	7.0	-7.0	1.2	297.3	333.6	13.9	80.4	0.1	273.
06.0	3.4	742.4	925.0	19.2	16.0	111.7	6.7	-6.7	2.6	298.0	333.6	13.3	79.0	0.5	288.
07.0	11.7	997.9	900.0	17.0	15.3	123.4	5.3	-5.3	2.5	298.9	332.2	12.5	79.0	0.9	288.
08.0	15.7	1279.4	975.0	15.1	13.2	130.4	4.2	-3.2	2.9	299.0	331.7	12.3	85.2	1.2	289.
09.0	5.3	1494.1	950.0	13.9	11.6	119.7	3.2	-2.2	2.7	299.4	328.8	11.0	89.5	1.5	289.
10.0	19.3	1778.5	925.0	11.7	10.6	109.4	2.4	-1.6	1.6	300.6	326.1	10.2	89.5	1.7	289.
11.0	7.3	1921.7	900.0	10.4	9.5	99.7	4.4	-3.6	1.3	301.0	327.6	9.8	89.5	1.9	289.
12.0	21.2	2224.0	775.0	9.4	8.5	100.0	4.5	-4.4	0.7	302.7	328.3	9.4	93.0	2.1	294.
13.0	25.4	2530.1	750.0	8.0	7.7	99.4	3.8	-3.7	0.6	305.2	325.8	7.9	82.0	2.4	294.
14.0	27.5	2807.9	725.0	6.9	6.9	99.5	3.2	-3.2	0.3	306.9	325.3	6.5	80.1	2.7	291.
15.0	20.7	3037.6	700.0	4.6	1.5	99.0	2.5	-2.5	0.3	307.5	325.3	6.3	75.4	2.9	289.
16.0	31.9	3394.3	675.0	2.1	0.9	91.6	2.5	-2.5	0.2	309.0	325.3	6.1	62.0	3.1	285.
17.0	74.1	3737.6	650.0	0.7	-0.7	87.0	2.6	-2.4	-1.0	309.4	326.1	5.6	56.4	3.2	288.
18.0	34.4	4011.9	625.0	-1.7	-2.0	82.0	2.1	-1.4	-1.6	310.5	326.0	5.3	56.4	3.4	287.
19.0	41.2	4273.1	600.0	-1.4	-5.0	82.4	2.3	-2.1	-1.6	310.5	326.0	5.3	56.4	3.4	287.
20.0	43.8	4525.3	575.0	-2.9	-8.0	107.2	3.5	-3.1	-0.3	314.0	327.2	4.4	78.7	3.5	294.
21.0	44.3	4760.1	550.0	-4.7	-14.7	116.6	3.6	-3.6	-0.5	314.5	326.6	3.7	72.2	3.6	283.
22.0	49.0	4944.0	525.0	-7.1	-21.2	66.1	3.5	-3.2	-1.4	319.5	324.3	2.2	45.3	4.1	283.
23.0	51.7	5111.7	500.0	-10.5	-21.5	82.7	3.4	-3.7	-1.4	322.0	324.3	1.3	31.4	4.4	283.
24.0	56.6	5371.5	475.0	-12.9	-25.8	95.4	6.1	-6.1	-0.5	322.0	325.3	1.4	40.0	4.6	279.
25.0	57.5	5600.6	450.0	-15.7	-32.2	85.9	6.9	-5.9	-0.5	324.0	325.3	1.0	32.2	4.9	279.
26.0	60.4	5849.4	425.0	-18.7	-35.7	82.4	9.3	-8.2	-1.1	325.0	325.3	0.5	15.9	5.5	278.
27.0	63.8	6071.6	400.0	-22.5	-41.3	73.1	6.9	-6.5	-1.9	325.0	327.0	0.4	20.5	6.2	276.
28.0	67.9	6314.4	375.0	-26.1	-47.4	75.4	3.9	-3.5	-1.0	327.1	328.4	0.4	20.2	7.5	273.
29.0	70.5	6571.5	350.0	-29.7	-51.1	103.1	2.4	-2.3	0.5	328.8	329.8	0.3	31.2	7.8	272.
30.0	74.3	6832.0	325.0	-34.1	-58.2	158.6	2.0	-0.7	1.9	329.4	330.1	0.2	21.7	8.0	273.
31.0	79.0	7092.4	300.0	-38.2	-64.1	199.9	2.4	1.4	1.5	330.1	330.1	99.9	99.9	7.9	275.
32.0	82.2	7353.4	275.0	-44.1	-70.9	240.2	4.1	3.9	1.5	331.3	330.9	99.9	99.9	7.6	276.
33.0	86.6	7614.4	250.0	-49.7	-77.9	282.4	5.6	6.9	2.6	332.1	330.9	99.9	99.9	7.1	278.
34.0	91.3	7875.4	225.0	-54.7	-84.9	324.2	7.4	7.4	-2.6	334.7	330.9	99.9	99.9	6.2	281.
35.0	94.4	8136.4	200.0	-59.7	-91.9	366.0	11.2	9.4	-5.7	335.3	330.9	99.9	99.9	5.1	275.
36.0	98.4	8397.4	175.0	-64.8	-98.9	407.7	9.3	6.6	-6.5	337.0	330.9	99.9	99.9	3.6	263.
37.0	102.0	8658.4	150.0	-69.8	-105.9	449.2	10.1	9.2	-4.2	338.2	330.9	99.9	99.9	2.8	253.
38.0	104.7	8919.4	125.0	-74.8	-112.9	490.7	7.8	6.4	-4.5	339.2	330.9	99.9	99.9	2.4	191.
39.0	109.3	9180.4	100.0	-79.8	-119.9	532.2	9.9	9.9	99.9	340.3	330.9	99.9	99.9	999.9	999.9
40.0	115.3	9441.4	75.0	-84.8	-126.9	573.7	9.9	9.9	99.9	341.3	330.9	99.9	99.9	999.9	999.9
41.0	99.9	9702.4	50.0	-89.8	-133.9	615.2	9.9	9.9	99.9	342.3	330.9	99.9	99.9	999.9	999.9
42.0	99.9	9963.4	25.0	-94.8	-140.9	656.7	9.9	9.9	99.9	343.3	330.9	99.9	99.9	999.9	999.9
43.0	99.9	10224.4	0.0	-99.8	-147.9	698.2	9.9	9.9	99.9	344.3	330.9	99.9	99.9	999.9	999.9

0 MY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
0 MY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
00 MY SPEED MEANS ELEVATION ANGLE LESS THAN 5 DEG

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OF POOR QUALITY

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Sounding Data

28 May 1977

1100 GMT

STATION NO. 229
 CENTREVILLE, ALABAMA

28 MAY 1971

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

148 35. 1

TIME MIN	CNTCT	HEIGHT GM	PRFS M	TEMP DG C	DEW PT DG C	NIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ D°
0.0	7.0	140.0	902.4	19.6	19.6	50.0	2.6	-2.0	-1.7	293.4	328.9	13.8	54.0	0.0	0.
00.0	00.0	90.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	999.0
0.5	4.5	201.4	975.0	20.5	17.6	198.1	5.4	1.7	5.2	295.9	330.3	13.2	63.0	0.3	258.
1.0	10.0	518.4	950.0	19.6	17.9	189.9	3.2	-1.6	2.8	297.1	333.0	13.7	69.7	0.3	302.
2.4	17.4	748.7	925.0	19.5	17.3	185.5	3.7	-2.1	3.0	298.2	336.1	13.6	92.2	0.5	308.
3.1	15.7	997.9	900.0	19.3	15.8	185.5	3.5	-1.4	3.2	299.0	332.7	12.7	52.3	0.7	313.
4.0	15.2	1224.2	875.0	15.3	12.4	185.7	1.9	0.2	1.8	299.7	327.8	10.4	82.7	0.8	319.
5.0	20.4	1470.4	850.0	14.0	12.9	181.9	1.4	0.0	1.4	300.8	330.6	11.1	53.1	0.8	323.
5.9	23.1	1722.2	825.0	12.3	11.4	181.1	1.5	0.0	1.5	301.5	329.6	10.3	53.8	0.9	325.
6.9	25.5	1990.5	800.0	11.2	9.5	276.7	1.4	1.2	0.9	303.1	328.9	9.4	89.5	1.0	328.
7.7	29.2	2245.4	775.0	9.3	8.3	267.5	2.2	2.2	0.1	303.8	328.3	8.9	52.4	0.9	338.
9.9	30.9	2517.1	750.0	7.7	6.5	291.7	2.0	1.8	-0.7	304.9	327.6	8.2	52.5	0.9	243.
9.9	31.7	2798.3	725.0	6.0	4.9	324.5	2.2	1.3	-1.8	305.3	327.2	7.5	52.6	0.8	347.
10.9	36.3	3097.7	700.0	4.4	2.9	355.4	2.7	0.2	-2.7	307.4	326.5	6.8	55.6	0.6	346.
11.9	39.1	3379.8	675.0	2.8	0.6	21.2	3.4	-1.2	-3.1	311.2	325.8	5.9	78.5	0.3	339.
13.1	41.4	3695.7	650.0	2.0	-1.4	348.9	6.4	1.2	-6.3	311.7	325.2	5.0	86.9	0.2	164.
14.2	44.8	4001.1	625.0	-0.9	-2.7	745.6	7.6	1.9	-7.4	311.5	326.2	4.6	53.4	0.7	164.
15.4	47.9	4324.2	600.0	-3.4	-4.4	318.4	7.2	4.7	-5.5	312.1	325.8	4.2	53.6	1.2	158.
16.4	50.6	4642.4	575.0	-5.2	-6.1	318.4	6.0	4.0	-4.5	313.9	326.5	4.2	53.6	1.2	158.
17.9	54.0	5010.3	550.0	-7.2	-8.1	323.5	4.4	2.6	-3.5	315.5	327.0	3.8	93.3	1.5	151.
19.4	57.1	5372.1	525.0	-8.9	-9.5	316.4	4.7	3.2	-3.4	317.9	328.7	3.4	53.6	1.8	150.
20.1	60.4	5747.5	500.0	-12.4	-23.4	309.4	5.4	4.1	-3.4	317.5	321.1	1.1	38.7	2.2	146.
21.6	63.7	6177.5	475.0	-14.0	-25.7	319.3	5.5	3.6	-4.2	319.6	322.9	1.0	35.0	2.6	148.
23.0	67.0	6544.4	450.0	-17.3	-32.9	319.3	5.6	3.7	-4.3	321.5	323.4	0.5	24.1	3.1	142.
24.5	70.6	6940.9	425.0	-20.7	-33.8	296.3	3.6	3.3	-1.6	322.4	322.7	0.1	12.9	3.5	142.
26.1	74.4	7416.1	400.0	-23.0	-33.7	244.6	3.3	3.3	0.3	325.1	325.8	0.2	12.9	3.8	139.
27.0	79.2	7845.5	375.0	-26.5	-41.0	241.7	3.3	2.9	1.5	326.5	327.5	0.3	23.9	3.8	136.
29.7	82.2	8179.0	350.0	-30.6	-47.9	235.4	2.6	2.1	1.5	327.5	328.3	0.2	25.7	4.0	130.
31.5	84.2	8601.4	325.0	-34.4	-70.4	307.2	1.0	0.9	-0.5	329.0	329.1	0.0	1.6	4.1	128.
33.6	90.4	8844.8	300.0	-38.9	-89.2	28.4	2.9	-1.4	-2.6	330.4	331.1	0.2	36.4	4.1	130.
35.7	95.3	10085.0	275.0	-43.9	99.9	24.2	3.2	-1.3	-2.9	331.8	331.8	0.2	95.9	4.2	137.
37.9	100.0	10490.6	250.0	-48.5	95.9	300.1	4.0	3.4	-2.0	333.0	333.0	99.9	95.9	4.4	132.
40.2	105.0	11744.4	225.0	-54.7	99.9	273.4	9.8	9.4	-0.6	334.7	334.7	99.9	99.9	5.2	131.
43.0	110.4	13179.7	200.0	-59.5	99.9	271.6	8.3	8.1	-1.9	338.5	338.5	99.9	99.9	6.6	122.
45.4	115.4	14919.6	175.0	-62.7	99.9	307.4	10.4	8.7	-5.8	346.4	346.4	99.9	99.9	8.1	120.
49.5	122.3	17482.1	150.0	-59.0	99.9	311.8	8.7	6.5	-5.8	368.5	368.5	99.9	99.9	10.1	123.
51.5	128.9	19024.0	125.0	-61.9	95.9	305.1	9.0	7.8	-4.5	383.0	383.0	99.9	99.9	12.3	123.
55.7	136.0	16707.0	100.0	-65.3	99.9	311.4	9.3	6.3	-5.5	401.6	401.6	99.9	99.9	15.0	123.
65.1	142.5	14154.2	75.0	-64.7	99.9	348.7	4.7	0.1	-4.7	437.1	437.1	99.9	99.9	17.4	126.
73.9	143.7	20655.5	50.0	-54.5	92.9	32.9	7.6	-7.6	-1.0	505.8	505.8	99.9	99.9	16.6	133.
90.9	90.5	99.0	25.0	99.9	99.9	99.9	99.9	53.9	99.9	99.9	99.9	99.9	99.9	999.0	999.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 4 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

 ORIGINAL PAGE IS
 OF POOR QUALITY

STATION NO. 218
JACKSON, MISSISSIPPI

28 MAY 1977
1100 GMT

TIME MIN	CNTCT	WFTGHT GWS	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DEG K	E POT Y DEG K	PK RTO GPM/G	RH PCY	RANGE KM	AZ DEG
0.0	6.5	100.0	995.4	20.0	19.0	340.0	0.0	0.0	0.0	293.5	329.8	14.1	54.8	0.0	0.
0.9	99.9	90.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.4	9.4	291.0	975.0	23.7	20.5	999.9	999.9	99.9	99.9	299.1	340.0	12.9	62.6	999.9	999.9
1.6	10.9	409.0	950.0	24.1	16.4	999.0	999.0	99.9	99.9	301.7	335.7	12.7	63.1	999.9	999.9
2.6	13.1	747.4	925.0	22.8	15.4	324.6	5.2	3.0	-4.3	302.6	335.1	12.0	62.1	6.7	128.
3.3	14.5	980.9	900.0	20.9	14.4	324.1	4.9	2.9	-4.0	303.1	334.3	11.5	60.2	1.0	148.
4.4	14.0	1234.4	875.0	19.2	12.1	323.0	5.5	2.5	-4.0	303.7	331.6	10.2	63.5	1.3	149.
5.2	20.5	1774.5	850.0	17.6	9.7	321.1	6.5	4.1	-5.1	304.6	329.7	8.9	69.7	1.6	148.
6.3	23.0	1772.0	825.0	15.4	8.4	319.9	6.3	4.0	-4.8	304.9	328.3	8.4	62.8	2.0	146.
7.1	25.5	1948.4	800.0	13.0	6.0	311.9	6.9	5.1	-4.6	305.0	328.5	8.5	71.7	2.3	145.
8.0	28.1	2254.8	775.0	11.1	4.2	315.1	7.8	5.5	-5.5	305.8	324.8	6.8	62.8	2.7	142.
9.0	30.0	2524.0	750.0	9.0	-2.6	330.2	8.8	4.4	-7.6	307.3	319.6	4.2	61.3	3.2	143.
10.2	33.8	2809.0	725.0	8.2	-1.4	335.2	9.4	3.9	-8.5	308.4	322.3	4.9	51.0	2.8	142.
11.1	36.4	3093.1	700.0	6.1	-5.7	326.4	10.7	4.3	-9.8	309.3	320.1	3.6	41.6	4.4	146.
12.1	39.4	3385.4	675.0	4.0	-6.7	329.0	10.3	5.3	-9.8	310.1	320.3	2.4	45.5	5.1	147.
13.5	42.1	3700.4	650.0	1.7	-12.1	324.5	10.7	6.2	-8.7	310.4	318.0	2.3	35.1	5.8	147.
14.9	45.3	4015.6	625.0	-0.9	-17.0	323.5	11.4	6.8	-9.1	311.5	316.3	1.5	26.3	6.7	147.
15.9	48.4	4340.2	600.0	-3.1	-24.0	321.3	11.1	7.0	-9.7	312.6	315.6	0.9	17.6	7.2	146.
17.1	51.4	4674.4	575.0	-7.6	-29.3	320.5	10.4	5.7	-8.7	313.9	314.1	0.1	1.5	8.3	148.
18.5	54.7	5074.6	550.0	-13.1	-33.1	327.0	10.4	5.7	-8.7	318.1	318.3	0.0	1.0	9.1	146.
19.7	57.9	5489.8	525.0	-18.1	-37.2	319.7	10.6	6.9	-9.3	318.7	320.5	0.5	12.6	9.9	146.
20.9	61.3	5944.4	500.0	-23.4	-41.2	320.9	12.0	7.6	-9.3	320.1	320.2	0.0	1.0	10.6	145.
22.3	64.9	6444.9	475.0	-28.5	-45.5	319.2	15.6	8.2	-9.5	321.3	321.4	0.0	1.0	11.7	145.
23.8	68.7	6944.4	450.0	-33.9	-49.9	318.1	10.7	7.1	-7.9	323.4	323.5	0.0	1.0	12.7	144.
25.3	72.0	7444.4	425.0	-39.4	-54.9	317.7	11.3	5.4	-10.0	324.9	324.9	0.0	1.0	13.7	144.
26.0	75.0	7944.0	400.0	-44.4	-59.4	317.5	11.4	3.4	-10.9	325.5	325.5	0.0	1.0	14.8	142.
27.0	78.0	8444.0	375.0	-49.4	-64.4	317.0	15.0	5.4	-14.0	325.1	326.2	0.0	1.0	16.1	147.
28.7	80.1	8944.4	350.0	-54.4	-69.4	316.8	17.4	7.4	-15.7	327.3	327.3	0.0	1.0	17.9	148.
30.5	84.2	9444.4	325.0	-59.4	-74.4	316.8	15.9	6.2	-13.6	328.4	328.4	0.0	1.0	19.7	148.
32.2	88.4	9944.4	300.0	-64.4	-79.4	316.8	13.4	6.1	-10.7	329.9	329.9	95.6	95.6	21.5	148.
34.4	91.2	10444.4	275.0	-69.4	-84.4	316.8	14.4	9.4	-10.9	331.2	329.9	99.9	95.6	23.2	147.
36.6	97.9	10944.4	250.0	-74.4	-89.4	316.8	15.9	10.1	-12.3	333.7	329.9	99.9	99.9	25.4	147.
39.0	103.0	11444.4	225.0	-79.4	-94.4	316.8	16.6	10.6	-13.0	336.3	329.9	99.9	95.6	27.9	146.
41.7	108.6	11944.4	200.0	-84.4	-99.4	316.8	17.9	13.4	-8.7	344.3	329.9	99.9	95.6	30.4	144.
44.4	114.5	12444.4	175.0	-89.4	-104.4	316.8	17.7	13.3	-11.8	352.8	329.9	99.9	95.6	33.6	142.
47.9	121.0	12944.4	150.0	-94.4	-109.4	316.8	18.6	14.7	-11.3	362.9	329.9	99.9	95.6	36.9	142.
51.2	127.4	13444.4	125.0	-99.4	-114.4	316.8	18.8	10.7	-10.3	379.9	329.9	99.9	95.6	41.4	140.
55.7	133.5	13944.4	100.0	-104.4	-119.4	316.8	8.3	6.1	-5.6	404.1	329.9	99.9	95.6	44.7	140.
60.1	140.3	14444.4	75.0	-109.4	-124.4	316.8	4.3	0.1	-6.3	434.7	329.9	99.9	95.6	48.7	140.
64.3	151.3	14944.4	50.0	-114.4	-129.4	316.8	7.1	-7.6	0.7	468.4	329.9	99.9	95.6	45.7	140.
74.4	160.7	25194.9	25.0	-119.4	-134.4	316.8	3.0	2.9	0.2	503.4	329.9	99.9	95.6	43.5	140.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG
 1 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 2 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 240
 LAKE CHARLES, LOUISIANA

 28 MAY 1977
 1100 GMT

TIME MIN	CHCT	HEI/CM	PRES MB	TEMP DEG C	DIR DEG	SPED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	WX RTO GM/KG	RM PCT	RANGE KM	AZ DEG
0.0	5.5	5.0	1009.0	21.7	290.0	1.5	1.5	-0.3	294.2	335.2	16.0	57.0	0.0	0
0.3	5.1	74.7	1000.0	22.0	254.4	5.0	4.9	1.3	295.1	339.9	16.9	54.4	0.2	55
1.3	9.1	294.4	775.0	19.2	261.9	5.0	5.8	0.8	298.2	337.3	14.9	62.1	0.5	87
2.2	10.4	427.6	550.0	23.4	255.2	3.7	3.6	0.9	301.1	329.6	10.6	54.9	0.8	24
4.1	12.5	745.5	925.0	22.1	16.5	1.5	1.2	1.2	301.9	336.6	12.9	70.4	0.9	23
4.0	14.8	946.4	900.0	20.1	16.0	1.6	-0.4	1.5	302.4	337.1	12.9	76.7	0.9	20
5.1	14.9	1277.4	875.0	18.4	164.7	2.4	-0.2	2.4	303.0	337.0	12.6	81.8	0.9	72
5.0	19.3	1455.8	950.0	16.1	177.2	2.9	-0.1	2.9	303.0	335.0	11.8	86.7	0.9	63
4.9	21.5	1749.5	875.0	14.2	150.7	3.3	-1.6	2.9	303.6	330.6	9.9	76.5	1.0	54
9.0	24.0	1985.4	900.0	14.2	191.3	4.5	0.9	4.4	305.3	319.3	4.5	25.5	1.0	41
9.2	26.1	2247.1	775.0	13.5	242.3	6.9	6.1	3.2	308.4	319.6	3.8	30.3	1.5	43
10.3	28.7	2442.7	750.0	13.0	270.6	7.7	7.7	-0.1	310.7	319.9	3.1	24.5	1.9	82
11.5	31.3	2845.1	725.0	11.0	279.7	7.6	7.5	-1.3	311.6	321.3	3.2	28.5	2.3	62
12.6	33.9	3114.0	700.0	9.1	291.2	5.4	6.6	-1.3	312.5	322.9	3.5	33.4	2.7	68
13.4	35.1	3419.1	675.0	6.4	286.6	6.1	6.1	-1.8	312.8	324.3	3.8	43.2	3.1	72
14.4	39.1	3724.0	650.0	3.5	270.7	7.2	6.7	-2.5	312.9	325.5	4.2	56.0	3.4	77
15.0	41.7	4033.4	625.0	1.0	300.1	9.3	7.2	-4.2	313.6	320.2	5.7	65.5	3.5	82
17.2	44.6	4370.6	600.0	-1.7	305.4	10.1	8.3	-5.9	314.2	327.0	4.3	76.3	4.4	88
18.5	47.5	4707.5	575.0	-5.1	301.5	11.5	9.9	-6.0	316.0	324.2	3.4	74.0	5.1	92
19.7	50.4	5055.1	550.0	-7.1	295.6	12.1	10.5	-5.4	315.7	320.1	1.4	37.5	5.9	97
21.2	53.4	5418.6	525.0	-6.9	311.9	13.2	9.9	-5.4	320.2	320.3	0.0	1.0	6.9	102
22.7	56.4	5797.4	500.0	-6.5	319.6	15.7	10.2	-12.0	321.4	322.0	0.2	4.1	8.0	107
24.1	59.4	6121.2	475.0	-12.5	315.7	19.9	13.2	-13.5	323.5	323.2	0.2	6.0	9.3	112
25.4	62.9	6431.4	450.0	-15.7	313.9	19.5	14.0	-13.5	323.5	324.7	0.3	14.1	10.9	115
27.2	57.1	7029.4	425.0	-18.9	313.8	19.4	13.3	-12.7	323.7	325.5	0.2	10.7	12.6	118
29.0	49.9	7477.0	400.0	-22.9	318.7	19.6	12.3	-14.0	325.4	325.7	0.1	6.0	14.5	120
30.9	71.4	7937.4	375.0	-26.0	321.4	17.3	10.4	-13.6	327.2	327.8	0.1	4.5	16.5	123
32.3	77.5	8432.2	350.0	-30.6	315.9	16.9	11.8	-12.1	327.6	327.8	0.1	6.3	18.5	125
35.1	81.4	8964.5	325.0	-34.4	315.4	17.3	12.1	-12.4	329.2	329.4	0.0	5.9	20.6	126
37.4	85.6	9478.5	300.0	-35.4	314.0	20.0	14.4	-13.9	329.9	329.9	99.9	955.9	23.1	127
39.7	90.3	10121.5	275.0	-44.3	313.6	21.1	15.3	-14.5	331.1	329.9	99.9	999.9	26.0	127
42.0	94.5	10741.0	250.0	-49.4	312.4	22.0	16.2	-14.8	333.8	329.9	99.9	955.5	25.0	128
44.5	99.4	11429.4	225.0	-51.9	309.2	20.3	15.7	-12.9	330.0	329.9	99.9	999.9	32.2	128
47.3	104.0	12144.0	200.0	-56.4	300.5	21.3	19.4	-10.8	343.2	329.9	96.8	955.9	35.4	128
51.0	111.0	13025.5	175.0	-58.3	302.7	26.6	22.4	-14.4	353.7	329.9	99.9	999.9	40.6	127
54.6	117.3	13955.1	150.0	-62.9	295.3	19.4	17.5	-8.3	361.8	329.9	99.9	999.9	45.7	127
59.0	124.7	15107.4	125.0	-65.1	304.5	15.1	12.5	-8.4	377.1	329.9	99.9	955.5	45.8	125
64.0	132.1	16457.1	100.0	-67.3	316.1	13.2	9.2	-9.5	397.6	329.9	99.9	955.9	54.0	126
70.0	140.0	18140.9	75.0	-68.4	335.5	6.4	2.7	-8.0	420.6	329.9	99.9	955.9	58.3	127
78.9	149.3	20724.8	50.0	-69.5	117.7	5.6	-5.0	2.5	505.4	329.9	99.9	955.9	53.5	129
91.7	157.0	25173.5	25.0	-45.7	999.9	999.9	999.9	99.0	653.3	329.9	99.9	999.9	52.8	129

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 4 AND 10 DEG

* BY TEMP MEANS TEMPERATURE NO TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 247
LONGVIEW, TEXAS

28 MAY 1977

159 14. 1

ANGLE ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CHCT	WIGHT GMM	DEFS MR	TFMP DG C	DFW PT DG C	DLZ DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PNT Y DG K	E PNT Y DG K	MZ RTD GP/KG	RH PCT	RANGE KM	AZ DG
0.0	4.5	124.0	593.2	21.1	19.4	210.0	2.1	1.0	1.4	294.9	332.3	14.5	55.0	0.0	0.
0.5	0.0	90.0	1003.0	90.0	90.9	94.9	99.9	93.9	99.0	99.9	999.9	99.9	99.9	999.9	999.9
0.5	4.2	266.7	974.0	25.4	14.0	131.0	2.4	1.2	-2.2	300.7	338.8	14.3	67.6	0.4	50.
1.4	10.4	414.2	950.0	24.9	17.7	232.1	2.4	2.4	1.4	302.5	339.0	13.6	64.3	0.5	50.
1.3	12.4	749.7	925.0	23.2	14.6	208.9	3.3	1.6	2.9	303.1	336.1	13.0	66.3	0.7	52.
3.3	15.3	948.4	500.0	21.1	14.0	187.2	4.7	0.6	4.7	323.3	336.0	12.9	72.4	0.9	43.
0.2	17.4	1272.2	875.0	19.4	14.2	141.4	5.7	0.2	5.7	303.0	334.9	11.9	75.9	1.1	33.
5.1	23.1	1480.5	950.0	15.5	10.9	148.2	6.7	1.0	6.7	303.4	330.0	5.7	65.6	1.4	20.
6.1	22.5	1746.7	835.0	12.9	8.2	201.7	9.1	1.0	7.5	305.5	327.5	6.2	63.7	1.8	23.
7.1	25.1	1894.9	803.0	12.9	7.9	207.8	9.1	5.3	6.9	308.9	326.3	8.4	71.5	2.3	24.
9.1	27.4	2241.8	775.0	12.2	-11.2	231.4	9.0	7.1	5.6	307.0	320.6	4.7	41.0	2.5	25.
0.3	30.3	2446.4	750.0	12.5	-11.2	247.4	7.8	7.2	5.0	310.1	316.8	2.2	18.6	3.4	34.
10.2	32.0	2819.4	725.0	10.2	-3.6	266.5	7.0	7.0	0.4	310.6	322.6	4.0	37.7	3.7	30.
11.2	34.4	3110.4	700.0	8.6	-7.4	274.9	6.0	5.8	-0.7	312.0	321.5	3.1	21.6	3.9	42.
12.1	36.4	3402.7	675.0	6.2	-7.6	281.0	6.0	5.8	-1.1	312.6	322.2	3.2	26.5	4.1	47.
13.2	41.1	3717.4	650.0	3.6	-4.7	272.4	4.3	0.3	-3.3	313.0	325.4	4.1	44.4	4.4	51.
14.3	46.1	4044.4	625.0	0.3	-5.5	241.3	6.4	6.7	1.0	312.5	324.6	3.9	62.9	4.7	54.
15.5	47.1	4350.5	600.0	-2.9	-5.9	259.3	7.3	7.2	1.5	312.5	325.1	4.1	75.6	5.2	56.
16.7	50.2	4657.3	575.0	-2.9	-14.9	267.8	9.7	9.6	0.4	315.6	325.4	2.9	52.4	5.7	55.
17.9	53.1	5044.9	550.0	-7.4	-10.1	281.3	11.0	10.8	-2.2	319.9	320.7	0.2	4.4	6.4	62.
19.2	56.1	5414.7	525.0	-6.1	-10.5	295.3	12.0	11.6	-3.2	321.2	323.1	0.6	12.3	7.1	68.
20.5	59.4	5746.0	500.0	-5.7	-12.7	293.3	13.4	12.3	-3.3	321.7	322.3	0.5	12.7	7.8	72.
22.0	62.9	6127.6	475.0	-12.4	-14.0	295.7	14.7	13.3	-6.4	322.1	323.6	0.4	12.7	8.8	78.
23.4	66.1	6507.0	450.0	-16.3	-17.4	294.0	15.2	14.6	-7.1	322.7	323.9	0.3	12.5	10.0	83.
25.1	69.2	6896.1	425.0	-19.7	-41.0	301.0	16.0	11.7	-8.2	323.7	324.6	0.2	13.1	11.2	87.
26.4	72.7	7271.5	400.0	-22.0	-45.2	302.0	15.8	13.4	-8.4	325.3	325.9	0.2	10.8	12.6	92.
28.4	77.0	7640.7	375.0	-26.4	-47.4	301.7	17.1	14.6	-8.6	325.3	327.0	0.1	11.3	14.0	95.
30.4	82.9	8019.5	350.0	-30.4	-50.2	299.5	18.7	16.3	-9.2	327.6	327.9	0.1	11.5	16.0	98.
32.4	87.3	8398.4	325.0	-35.5	-54.3	302.3	19.4	16.5	-10.4	327.8	328.1	0.1	12.4	18.1	111.
34.4	92.2	8795.1	300.0	-40.2	-59.9	306.7	20.4	16.3	-11.2	328.4	329.9	0.1	999.9	20.3	104.
36.4	97.7	9205.4	275.0	-44.9	-64.5	307.5	21.0	17.3	-11.3	330.1	329.9	0.1	955.9	22.9	107.
38.4	98.4	9625.0	250.0	-50.1	-69.9	302.6	24.9	21.0	-13.4	331.7	329.9	0.1	955.9	25.9	105.
40.4	103.3	10055.2	225.0	-55.4	-69.9	305.7	26.7	21.7	-13.5	333.7	329.9	0.1	999.9	29.9	111.
42.4	108.4	10481.9	200.0	-59.3	-69.9	304.7	25.0	20.0	-14.9	340.4	329.9	0.1	955.9	34.0	112.
44.4	114.7	10905.4	175.0	-64.5	-69.9	307.4	24.2	19.3	-14.7	353.3	329.9	0.1	999.9	38.9	114.
46.4	120.4	11345.3	150.0	-64.7	-69.9	302.0	14.9	13.7	-5.8	358.7	329.9	0.1	955.9	42.9	115.
48.4	127.7	11801.2	125.0	-64.9	-69.9	283.9	16.8	14.3	-4.1	377.4	329.9	0.1	955.9	46.3	114.
50.4	137.7	12417.8	100.0	-67.3	-69.9	317.2	12.5	5.5	-3.1	397.4	329.9	0.1	999.9	50.9	114.
52.4	147.7	13154.8	75.0	-67.3	-69.9	377.7	5.9	-3.8	-4.7	431.7	329.9	0.1	955.9	52.2	114.
54.4	157.7	13969.3	50.0	-67.4	-69.9	103.0	4.4	-4.3	1.0	510.3	329.9	0.1	999.9	49.1	117.
56.4	160.0	14811.3	25.0	-69.0	-69.9	97.7	1.4	-1.4	0.2	643.7	329.9	0.1	955.9	46.0	118.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 255
VICTORIA, TEXAS

20 MAY 1977

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

188 20. 1

TIME MIN	CATC*	HEIGHT GMS	REFS M	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E PCT Y DG K	MR RTO GPM/KS	RM PCT	RANGE KM	AZ DEG
0.0	5.7	13.0	1003.7	20.0	19.5	100.0	2.6	0.5	2.6	203.8	331.8	14.8	94.0	0.0	0.
0.2	5.0	11.7	1008.0	21.0	20.8	49.0	3.4	-2.6	-2.2	295.1	335.5	18.7	92.2	0.5	0.
1.0	9.2	243.8	975.0	23.4	19.4	92.6	5.7	-5.7	0.3	298.7	342.6	18.8	92.7	0.6	12.
1.0	10.4	510.9	950.0	21.4	19.1	197.3	9.2	1.6	9.6	298.9	338.1	14.9	87.1	1.1	11.
2.0	12.6	747.9	924.0	20.0	17.2	149.7	6.0	1.2	4.8	300.7	336.6	13.9	76.2	1.6	11.
3.0	14.9	940.4	900.0	22.7	16.5	144.9	4.4	1.3	4.4	302.3	334.7	13.3	77.1	1.0	11.
4.0	16.0	1228.7	875.0	20.3	14.5	219.6	3.7	2.3	2.9	304.2	324.6	11.1	41.2	2.1	12.
5.0	19.4	1478.4	840.0	19.4	15.9	252.3	4.5	3.5	2.7	306.5	343.7	13.6	86.4	2.3	12.
6.0	21.5	1715.1	805.0	20.4	17.8	284.8	5.3	6.0	1.6	310.5	321.2	7.6	19.4	2.5	21.
7.0	24.0	1972.4	770.0	20.5	19.4	313.6	5.3	0.3	-0.4	313.0	323.3	7.4	18.1	2.7	20.
8.0	26.4	2270.2	735.0	18.0	21.2	301.2	5.3	4.5	-2.7	313.2	325.2	4.0	24.0	2.7	32.
9.0	28.0	2545.2	700.0	15.7	22.4	313.6	6.2	4.5	-4.2	313.1	325.5	4.1	20.5	2.7	41.
10.0	31.5	2810.2	665.0	13.1	25.7	313.7	6.7	6.4	-4.0	313.9	324.4	3.9	26.9	2.7	51.
11.0	34.2	3120.1	630.0	11.4	28.5	301.5	11.1	9.4	-5.8	315.1	325.4	7.4	28.0	2.9	64.
12.0	36.4	3411.4	600.0	9.7	27.3	292.0	11.0	11.0	-4.4	315.4	325.4	3.3	31.4	3.5	74.
13.0	39.4	3745.1	565.0	6.1	28.0	280.7	12.1	11.9	-2.3	315.8	325.7	3.2	32.8	4.2	80.
14.0	42.2	4011.0	525.0	7.0	25.5	271.9	12.6	12.6	-0.9	315.9	326.2	4.1	33.4	5.0	83.
15.0	45.1	4320.0	490.0	7.0	22.3	272.5	12.4	12.4	-0.6	316.0	325.1	7.0	46.2	5.9	84.
16.0	47.1	4730.0	455.0	1.4	25.4	272.1	12.5	12.5	-0.5	318.3	321.2	0.4	14.0	6.8	85.
17.0	49.1	5080.5	420.0	-3.2	26.9	276.4	10.7	10.6	-1.3	320.3	321.1	0.2	3.5	7.7	86.
18.0	51.0	5440.1	385.0	-5.4	24.9	290.4	11.4	10.8	-4.0	321.0	322.5	0.1	2.7	8.5	88.
19.0	54.1	5811.9	350.0	-7.1	22.7	297.2	13.5	12.0	-6.2	324.4	324.6	0.1	1.4	9.5	91.
20.0	57.1	6220.2	315.0	-10.4	27.3	297.4	14.6	12.4	-6.4	325.0	326.2	0.3	6.9	10.6	94.
21.0	60.5	6610.4	280.0	-14.4	30.1	290.2	14.6	12.7	-7.1	325.1	326.2	0.3	11.3	11.9	96.
22.0	64.0	6980.3	245.0	-17.0	31.8	301.9	17.4	11.7	-7.3	326.0	326.5	0.1	8.5	13.0	99.
23.0	67.3	7372.3	210.0	-21.5	31.0	302.7	14.7	12.2	-4.1	327.0	327.3	0.1	4.5	14.2	101.
24.0	70.9	7794.0	175.0	-25.3	34.4	299.3	14.9	11.6	-9.5	327.9	328.7	0.2	17.9	15.5	103.
25.0	74.7	8200.3	140.0	-29.7	39.1	304.2	15.6	12.2	-9.6	329.4	330.1	0.4	35.1	17.1	106.
26.0	78.7	8670.5	105.0	-34.3	39.1	304.2	15.6	12.2	-10.6	329.5	330.3	0.2	35.3	18.7	108.
27.0	82.7	9110.0	70.0	-38.4	44.3	304.3	17.7	14.7	-10.0	330.7	331.2	0.1	31.7	20.0	110.
28.0	86.7	9510.4	35.0	-42.2	49.9	297.9	20.3	17.9	-9.5	331.2	331.2	98.9	95.6	23.0	111.
29.0	91.4	10120.4	0.0	-46.2	49.9	295.3	22.5	20.3	-7.4	331.2	331.2	98.9	95.9	25.9	111.
30.0	94.4	10700.0	0.0	-50.6	49.9	289.5	24.2	24.2	-7.7	331.0	331.0	98.9	95.9	29.5	112.
31.0	101.0	11440.1	225.0	-55.2	49.5	284.0	26.6	27.4	-7.4	345.4	335.9	98.9	95.9	34.3	111.
32.0	107.0	12240.7	200.0	-59.2	49.9	297.1	29.5	27.3	-8.4	352.2	335.9	98.9	95.9	39.8	110.
33.0	113.0	13090.7	175.0	-63.3	49.9	297.1	25.4	22.8	-11.6	361.1	331.1	98.9	95.9	45.1	110.
34.0	119.0	14040.0	150.0	-67.0	49.9	291.2	17.5	16.3	-8.3	370.1	330.9	98.9	95.9	50.1	111.
35.0	125.0	15140.4	125.0	-69.7	49.9	322.4	10.4	6.3	-6.3	373.1	333.1	98.9	95.9	54.1	111.
36.0	131.0	16490.1	100.0	-73.0	49.9	327.5	4.7	2.4	-3.6	430.1	333.1	98.9	95.9	54.7	113.
37.0	141.0	18210.4	75.0	-83.9	49.9	327.5	5.1	-4.7	-1.0	504.7	333.1	98.9	95.9	52.5	114.
38.0	149.7	20110.6	50.0	-89.1	49.9	311.7	5.1	-4.7	-1.0	504.7	333.1	98.9	95.9	51.0	113.
39.0	157.3	25100.4	25.0	-89.2	49.9	286.4	1.7	3.4	-1.1	646.4	333.1	98.9	95.9	51.0	113.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 4 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 260
STEPHENVILLE, TEXAS

28 MAY 1977

 1100 GMT
 ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

180 14. 1

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MR STD GPM/KG	MR PCT	RANGE KM	AZ DEG
0.0	10.1	100.0	950.7	20.0	17.0	170.3	3.6	-0.0	3.5	296.5	331.8	13.8	87.8	0.0	0.
0.5	99.0	100.0	950.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1.0	99.0	99.0	950.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1.5	99.0	99.0	950.0	21.0	19.5	258.9	3.2	3.2	0.6	298.5	338.5	15.2	91.2	0.0	18.
2.0	10.9	99.0	950.0	21.0	19.5	258.9	3.2	3.2	0.6	298.5	338.5	15.2	91.2	0.0	18.
2.5	13.1	795.6	950.0	21.3	19.6	220.8	11.6	7.6	8.8	301.1	342.8	15.7	98.0	0.0	18.
3.0	15.3	946.6	950.0	20.7	18.0	222.4	14.9	10.1	11.0	302.9	342.8	14.6	88.2	1.6	26.
3.5	17.5	1210.0	975.0	20.2	15.0	220.8	10.1	6.6	7.7	304.8	340.3	13.1	75.8	2.6	32.
4.0	19.8	1462.4	950.0	22.1	11.3	237.9	7.1	6.0	3.8	309.3	337.3	10.0	55.2	2.9	34.
4.5	22.9	1721.6	825.0	21.4	7.7	252.6	5.4	5.3	0.7	311.2	334.1	6.6	41.2	3.2	38.
5.0	24.6	1947.3	805.0	19.4	4.4	282.9	4.5	4.4	-1.0	311.9	330.9	6.6	37.1	3.4	42.
5.5	26.7	2250.5	775.0	17.4	2.2	284.1	5.7	5.5	-1.4	312.5	329.5	5.9	36.8	3.5	47.
6.0	28.2	2539.1	740.0	14.5	0.4	291.4	6.6	6.1	-2.4	312.4	327.8	5.3	37.9	3.7	53.
6.5	31.8	2823.3	725.0	11.8	-1.5	292.1	4.3	7.7	-3.1	312.4	326.4	4.7	35.2	4.8	59.
7.0	34.4	3114.7	700.0	9.4	-3.4	294.3	11.2	10.2	-4.6	312.9	325.6	4.3	40.4	4.4	66.
7.5	36.9	3419.9	675.0	6.9	-6.6	295.6	13.7	12.3	-5.9	313.4	323.9	3.5	37.3	5.0	73.
8.0	39.4	3724.7	650.0	4.3	-8.1	296.8	16.0	14.9	-5.7	313.8	323.5	3.2	40.0	5.9	80.
8.5	42.1	4027.6	625.0	1.9	-10.5	297.1	14.9	14.4	-3.9	314.6	323.1	2.8	39.2	7.0	85.
9.0	44.9	4310.4	600.0	0.0	-15.0	297.8	8.9	8.9	0.3	319.2	323.0	1.1	18.1	8.7	87.
9.5	47.9	4510.4	575.0	-0.7	-22.0	297.8	7.1	7.0	-0.5	320.2	323.0	1.3	27.2	9.4	87.
10.0	50.9	4707.9	550.0	-3.3	-19.5	298.0	6.2	7.7	-2.7	321.6	325.5	1.2	24.9	9.9	88.
10.5	53.8	4870.3	525.0	-5.7	-22.6	298.3	14.2	13.7	-3.7	323.1	326.3	1.0	23.6	10.7	90.
11.0	56.8	5011.2	500.0	-8.2	-25.3	298.5	10.3	9.5	-4.9	323.8	326.8	0.8	23.6	11.6	92.
11.5	59.0	5159.4	475.0	-11.5	-27.7	298.6	12.3	11.4	-4.5	323.8	326.8	0.7	27.9	12.6	94.
12.0	61.4	5319.4	450.0	-15.1	-29.8	299.0	12.9	12.0	-4.0	324.3	326.8	0.7	27.9	12.6	94.
12.5	63.8	5485.4	425.0	-18.9	-31.7	299.3	14.2	13.7	-3.8	324.7	326.9	0.6	31.1	13.9	95.
13.0	66.2	5650.7	400.0	-22.8	-33.2	299.3	14.0	13.5	-3.7	325.4	327.1	0.5	28.2	15.1	96.
13.5	68.7	5815.1	375.0	-26.9	-37.6	299.3	15.0	14.0	-5.2	326.1	327.8	0.4	35.0	16.6	97.
14.0	71.7	5980.1	350.0	-30.5	-41.0	299.7	15.0	14.0	-5.3	327.6	328.7	0.3	25.0	18.2	98.
14.5	74.7	6145.1	325.0	-35.1	-45.6	291.1	16.0	14.9	-5.7	328.4	329.6	0.3	25.3	19.8	99.
15.0	77.7	6310.9	300.0	-39.5	-49.9	291.1	17.3	16.1	-6.2	329.7	329.9	0.3	25.3	21.0	100.
15.5	80.0	6475.9	275.0	-44.7	-54.0	291.1	19.0	18.3	-5.2	330.4	329.9	0.3	25.3	22.2	101.
16.0	82.9	6640.2	250.0	-49.0	-58.9	291.1	21.2	20.6	-5.1	331.3	329.9	0.3	25.3	23.3	101.
16.5	85.9	6805.2	225.0	-53.4	-63.4	290.9	21.2	19.6	-7.6	336.7	329.9	0.3	25.3	24.3	102.
17.0	88.9	6970.2	200.0	-57.1	-67.1	284.7	22.3	21.6	-7.6	350.0	329.9	0.3	25.3	25.3	103.
17.5	91.9	7135.2	175.0	-60.1	-70.9	299.2	26.2	24.8	-6.4	350.0	329.9	0.3	25.3	26.2	104.
18.0	94.9	7300.2	150.0	-63.0	-74.9	299.6	18.8	17.3	-7.6	361.6	329.9	0.3	25.3	27.1	104.
18.5	97.9	7465.2	125.0	-65.0	-78.9	299.6	15.8	15.7	-1.7	377.3	329.9	0.3	25.3	28.0	105.
19.0	100.9	7630.2	100.0	-68.1	-82.9	300.6	12.9	11.1	-6.6	396.2	329.9	0.3	25.3	28.9	105.
19.5	103.9	7795.2	75.0	-71.3	-86.9	300.6	4.0	-1.2	-3.0	436.1	329.9	0.3	25.3	29.8	106.
20.0	106.9	7960.2	50.0	-74.4	-90.9	300.6	3.7	-3.7	0.2	508.3	329.9	0.3	25.3	30.7	107.
20.5	109.9	8125.2	25.0	-77.4	-94.9	300.6	3.4	-3.4	-0.1	640.1	329.9	0.3	25.3	31.6	107.

 * BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

 ORIGINAL PAGE IS
 OF POOR QUALITY

STATION NO. 261
DEL RIO, TEXAS

26 MAY 1977
1100 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME UT	CHCY	HEIGHT GMS	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	WIND M/SEC	WIND DIR	WIND SPEED	WIND ANGLE	WIND SPEED	WIND ANGLE	WIND SPEED	WIND ANGLE
0.0	0.0	314.0	940.7	22.6	21.6	130.0	4.2	-3.2	2.7	296.4	342.4	16.0	93.0	342.4	0.0	0.0	0.0	0.0	0.0
0.5	0.0	99.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1.0	0.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1.5	11.5	403.7	950.0	21.5	20.9	153.0	4.2	-1.0	3.7	299.0	342.7	16.7	96.8	342.7	0.0	0.0	0.0	0.0	0.0
2.0	13.4	725.0	925.0	20.1	19.6	160.0	9.1	-1.1	0.8	299.0	341.4	13.7	96.7	341.4	0.0	0.0	0.0	0.0	0.0
2.5	16.0	902.4	900.0	20.1	18.2	176.0	7.0	-0.5	7.0	302.2	341.0	10.9	94.2	341.0	0.0	0.0	0.0	0.0	0.0
3.0	14.4	1207.4	875.0	21.0	16.6	181.3	7.5	0.2	7.5	305.5	340.6	12.2	94.4	340.6	0.0	0.0	0.0	0.0	0.0
3.5	20.7	1450.6	850.0	22.5	5.6	182.0	7.0	0.3	7.0	309.7	320.9	8.7	33.2	320.9	0.0	0.0	0.0	0.0	0.0
4.0	23.1	1719.7	825.0	22.0	-1.2	187.1	8.0	1.1	0.7	311.9	320.5	4.2	21.1	320.5	0.0	0.0	0.0	0.0	0.0
4.5	25.4	1995.1	800.0	20.5	-0.7	195.0	6.0	2.3	0.2	313.1	320.6	4.5	24.0	320.6	0.0	0.0	0.0	0.0	0.0
5.0	27.8	2253.3	775.0	19.0	-0.5	203.3	6.7	2.7	0.2	314.3	320.5	4.0	24.0	320.5	0.0	0.0	0.0	0.0	0.0
5.5	30.4	2459.8	750.0	17.0	-10.0	252.4	5.0	4.0	1.5	315.0	322.0	2.0	18.0	322.0	0.0	0.0	0.0	0.0	0.0
6.0	37.0	2626.3	725.0	14.7	-12.9	281.0	6.0	0.4	-1.3	316.5	322.9	2.0	18.0	322.9	0.0	0.0	0.0	0.0	0.0
6.5	34.4	3121.9	700.0	12.7	-14.3	290.6	8.4	7.9	-3.0	316.0	322.7	1.9	16.5	322.7	0.0	0.0	0.0	0.0	0.0
7.0	38.0	3425.2	675.0	10.0	-13.4	289.1	9.0	9.3	-3.0	316.0	322.4	2.1	16.7	322.4	0.0	0.0	0.0	0.0	0.0
7.5	40.6	3737.0	650.0	7.0	-13.0	286.2	11.7	11.1	-3.6	317.1	322.4	2.2	17.6	322.4	0.0	0.0	0.0	0.0	0.0
8.0	43.4	4037.4	625.0	4.0	-12.7	294.0	12.0	13.3	-4.0	317.1	322.4	2.0	18.0	322.4	0.0	0.0	0.0	0.0	0.0
8.5	46.2	4357.2	600.0	0.9	-12.0	288.0	12.9	12.2	-4.2	318.1	322.4	2.1	18.2	322.4	0.0	0.0	0.0	0.0	0.0
9.0	49.1	4727.5	575.0	-1.6	-12.0	288.0	8.1	7.5	-3.1	319.1	322.8	1.1	22.4	322.8	0.0	0.0	0.0	0.0	0.0
9.5	51.9	5079.8	550.0	-6.2	-22.5	292.2	4.2	4.1	-1.0	323.0	323.4	0.3	2.4	323.4	0.0	0.0	0.0	0.0	0.0
10.0	54.0	5405.4	525.0	-5.1	-36.0	289.5	3.5	3.8	0.2	323.0	323.4	0.1	2.4	323.4	0.0	0.0	0.0	0.0	0.0
10.5	57.9	5824.7	500.0	-7.9	-47.0	267.0	4.0	4.0	0.2	323.0	323.4	0.2	2.0	323.4	0.0	0.0	0.0	0.0	0.0
11.0	60.0	6222.1	475.0	-12.1	-42.3	267.0	6.7	6.7	-0.3	323.0	323.4	0.1	2.0	323.4	0.0	0.0	0.0	0.0	0.0
11.5	64.1	6633.3	450.0	-15.1	-51.1	273.0	9.7	9.7	0.4	323.0	323.4	0.1	2.0	323.4	0.0	0.0	0.0	0.0	0.0
12.0	67.3	7042.2	425.0	-18.6	-52.0	267.0	11.1	11.1	-0.3	325.0	325.0	0.0	2.0	325.0	0.0	0.0	0.0	0.0	0.0
12.5	70.1	7410.9	400.0	-22.5	-59.4	271.3	13.2	13.1	-1.7	327.0	327.0	0.0	2.0	327.0	0.0	0.0	0.0	0.0	0.0
13.0	74.1	7800.9	375.0	-26.1	-60.2	277.4	15.0	15.0	-0.6	327.0	327.4	0.0	2.0	327.4	0.0	0.0	0.0	0.0	0.0
13.5	77.9	8235.2	350.0	-30.4	-59.0	272.3	18.9	18.9	-0.6	327.0	327.4	0.0	2.0	327.4	0.0	0.0	0.0	0.0	0.0
14.0	81.7	8699.5	325.0	-35.4	-57.6	269.2	16.9	16.9	0.3	327.0	327.4	0.0	2.0	327.4	0.0	0.0	0.0	0.0	0.0
14.5	85.0	9150.2	300.0	-39.0	-59.0	273.2	20.4	20.4	-1.1	329.1	329.1	0.0	2.0	329.1	0.0	0.0	0.0	0.0	0.0
15.0	89.7	9619.1	275.0	-43.3	-59.0	282.6	23.0	23.0	-5.2	332.5	332.5	0.0	2.0	332.5	0.0	0.0	0.0	0.0	0.0
15.5	94.2	10139.1	250.0	-47.5	-59.0	282.3	26.4	26.4	-8.6	335.4	335.4	0.0	2.0	335.4	0.0	0.0	0.0	0.0	0.0
16.0	98.9	10777.6	225.0	-50.0	-59.0	283.0	27.7	27.7	-8.2	342.0	342.0	0.0	2.0	342.0	0.0	0.0	0.0	0.0	0.0
16.5	104.0	11426.4	200.0	-55.2	-59.0	284.1	27.7	26.9	-4.8	349.3	349.3	0.0	2.0	349.3	0.0	0.0	0.0	0.0	0.0
17.0	109.8	12071.0	175.0	-60.4	-59.0	276.1	26.5	26.3	-2.0	350.3	350.3	0.0	2.0	350.3	0.0	0.0	0.0	0.0	0.0
17.5	115.5	14023.5	150.0	-63.7	-59.0	281.7	21.2	20.0	-4.3	360.4	360.4	0.0	2.0	360.4	0.0	0.0	0.0	0.0	0.0
18.0	122.7	15125.0	125.0	-70.2	-59.0	279.4	15.0	14.0	-2.4	367.0	367.0	0.0	2.0	367.0	0.0	0.0	0.0	0.0	0.0
18.5	130.3	16467.7	100.0	-80.7	-59.0	294.6	12.3	11.2	-0.1	393.1	393.1	0.0	2.0	393.1	0.0	0.0	0.0	0.0	0.0
19.0	139.0	18171.2	75.0	-84.6	-59.0	197.7	3.2	1.0	3.1	433.3	433.3	0.0	2.0	433.3	0.0	0.0	0.0	0.0	0.0
19.5	148.0	20431.3	50.0	-88.5	-59.0	93.5	4.4	-0.4	0.3	405.0	405.0	0.0	2.0	405.0	0.0	0.0	0.0	0.0	0.0
20.0	157.5	25144.0	25.0	-89.0	-59.0	226.1	2.9	2.1	2.0	445.9	445.9	0.0	2.0	445.9	0.0	0.0	0.0	0.0	0.0

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 18 DEG

0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 0 DEG

STATION NO. 268
MILLAND, TEXAS28 MAY 1977
1115 GMT

TIME MTH	CNTCT	HEIGHT GPM	PPCS MM	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DEG K	E POT Y DEG K	WZ RTO GPM/SEC	SH PCT	RANGE KM	AZ DEG
2.0	14.9	873.0	906.4	18.7	17.1	215.0	5.2	3.0	4.3	299.0	335.9	13.7	92.0	0.0	0.
3.0	90.0	1000.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
4.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
5.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
6.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
7.0	15.6	954.0	900.0	18.8	99.9	222.4	9.0	6.0	6.6	300.9	99.9	99.9	99.9	0.3	31.
8.0	1.3	1197.2	877.0	23.5	-4.4	233.9	10.8	8.7	6.4	308.2	317.7	3.2	15.6	0.7	48.
9.0	2.3	1450.0	850.0	24.5	-6.0	250.7	10.5	10.2	2.4	311.9	321.9	3.3	14.7	1.3	51.
10.0	3.2	1710.7	825.0	22.4	-6.0	274.7	11.7	11.7	-1.0	312.3	321.3	3.0	14.4	1.9	62.
11.0	4.2	1976.7	900.0	20.3	-7.0	243.6	13.1	12.8	-3.1	312.8	321.4	2.8	15.2	2.5	72.
12.0	5.3	2248.6	775.0	17.4	-6.8	240.8	13.9	13.1	-4.7	312.5	320.3	2.5	15.8	3.3	82.
13.0	6.4	2427.0	750.0	15.3	-9.5	265.0	14.2	13.5	-4.4	313.2	320.8	2.5	17.2	4.1	88.
14.0	7.4	2812.5	725.0	12.6	-9.8	275.5	13.7	13.6	-2.0	313.3	321.6	2.7	18.2	4.9	98.
15.0	9.5	3105.8	700.0	10.4	-7.5	273.3	13.9	13.9	-0.1	314.1	323.6	3.1	27.5	5.9	91.
16.0	9.0	3404.9	675.0	7.5	-7.0	260.8	13.6	13.5	2.2	314.0	323.5	3.1	32.3	6.9	90.
17.0	10.9	3716.4	650.0	5.1	-7.7	261.9	13.7	13.5	2.2	314.0	324.9	3.3	39.0	7.6	69.
18.0	12.0	4035.4	625.0	3.1	-9.2	267.4	17.5	17.4	0.8	316.0	325.4	3.0	39.8	5.0	89.
19.0	13.3	4344.9	600.0	0.8	-13.4	270.5	17.4	17.4	-0.1	317.1	324.2	2.3	22.7	19.4	88.
20.0	14.7	4705.6	575.0	-1.5	-23.7	275.6	13.7	13.7	-1.3	318.3	321.6	1.6	16.4	11.7	89.
21.0	15.0	5059.5	550.0	-1.6	-30.0	283.4	11.6	11.3	-2.0	322.2	324.2	0.6	9.2	12.7	90.
22.0	17.6	5428.1	525.0	-4.0	-25.7	289.9	10.1	9.5	-3.4	323.6	326.6	0.9	16.7	13.6	91.
23.0	19.0	5810.4	500.0	-7.2	-28.3	294.6	9.1	8.7	-3.0	324.2	326.6	0.7	16.8	14.0	92.
24.0	20.5	6207.5	475.0	-10.6	-27.3	288.7	9.9	8.4	-2.0	324.8	327.0	0.9	16.6	15.1	93.
25.0	21.0	6500.5	450.0	-12.1	-26.8	278.9	8.6	8.5	-1.3	324.9	328.1	0.9	16.6	15.8	94.
26.0	23.4	6800.4	425.0	-18.5	-27.6	265.1	7.9	7.9	0.1	325.3	328.4	0.9	16.6	16.6	94.
27.0	25.1	7409.7	400.0	-22.3	-31.1	253.1	7.8	7.5	2.3	326.1	328.5	0.7	44.3	17.3	93.
28.0	26.5	7999.9	375.0	-26.4	-35.5	258.0	9.0	8.7	2.2	326.6	328.3	0.5	41.7	18.0	92.
29.0	28.6	8454.0	350.0	-30.3	-42.3	271.6	10.0	10.4	-0.3	328.0	328.9	0.3	25.4	19.1	92.
30.0	30.4	8947.3	325.0	-34.7	-45.7	281.7	9.9	9.7	-2.0	328.0	329.7	0.2	28.8	20.2	92.
31.0	32.2	9441.1	300.0	-39.4	-49.9	294.1	11.8	11.3	-3.3	329.2	999.9	99.9	95.9	21.4	93.
32.0	34.2	10120.3	275.0	-44.6	99.6	295.4	13.1	12.6	-3.5	330.6	999.9	99.9	95.9	22.7	94.
33.0	36.7	10720.3	250.0	-47.5	99.9	280.3	13.7	14.9	-4.9	335.4	999.9	99.9	99.9	24.4	95.
34.0	39.7	11450.9	225.0	-52.8	99.9	290.2	19.8	17.7	-0.7	337.9	999.9	99.9	95.9	26.9	96.
35.0	41.2	12137.1	200.0	-56.1	99.9	283.3	21.4	20.0	-4.9	344.0	999.9	99.9	99.9	28.8	98.
36.0	43.5	13045.3	175.0	-60.1	99.9	287.4	25.0	23.8	-7.8	350.9	999.9	99.9	95.9	33.4	99.
37.0	45.7	14002.3	150.0	-63.4	99.9	283.4	21.3	20.6	-5.1	360.9	999.9	99.9	95.9	37.6	99.
38.0	48.0	15114.2	125.0	-66.0	99.9	278.9	17.5	17.5	-1.5	366.9	999.9	99.9	99.9	41.7	100.
39.0	50.2	16364.6	100.0	-67.8	99.9	277.2	13.5	12.4	-1.6	396.8	999.9	99.9	99.9	45.3	99.
40.0	52.5	17212.0	75.0	-65.3	99.9	287.4	5.6	5.3	-1.7	426.2	999.9	99.9	99.9	47.5	99.
41.0	54.3	20724.9	50.0	-58.2	99.9	99.9	4.4	-4.4	0.4	506.4	999.9	99.9	99.9	55.2	100.
42.0	56.9	25199.4	25.0	-47.7	99.9	73.0	5.2	-5.0	-1.5	647.0	999.9	99.9	99.9	61.9	101.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 327
NASHVILLE, TENNESSEE28 MAY 1977
1100 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	DRFS HGT	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	PK RTO GP/KG	RM PCT	RANGE NM	AZ DG
0.0	0.3	180.0	988.3	10.0	17.0	70.0	2.1	-2.0	-0.7	293.1	327.1	13.2	93.0	0.0	0.
0.5	0.0	1000.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.3	0.6	207.4	575.0	20.0	18.1	138.7	4.9	-4.5	5.2	296.1	331.8	1.0	99.0	0.3	0.0
1.2	11.9	523.1	950.0	21.2	17.0	216.0	9.0	2.9	0.3	298.7	333.1	1.0	99.0	0.3	0.0
2.3	10.4	751.9	975.0	19.5	16.4	144.8	3.6	0.3	3.6	299.3	329.3	11.0	99.0	0.3	0.0
3.1	15.4	995.9	900.0	18.1	15.7	174.1	3.9	-0.4	3.0	300.2	328.0	10.4	99.0	0.7	0.0
4.0	19.4	1211.0	875.0	16.3	11.3	149.3	3.9	-0.7	3.8	300.5	327.1	9.7	99.0	0.7	0.0
6.9	21.9	1477.8	850.0	14.8	9.8	161.4	3.4	-1.2	3.6	301.7	326.3	9.0	99.0	0.7	0.0
9.8	24.6	1727.8	825.0	12.8	8.8	159.2	3.6	-1.6	3.2	302.2	325.0	8.7	99.0	1.3	0.0
6.4	27.1	1945.0	800.0	11.1	7.0	150.2	3.3	-1.2	3.1	302.9	324.0	8.4	99.0	1.3	0.0
7.9	29.9	2253.4	775.0	8.9	6.0	142.3	3.3	-1.0	3.1	303.4	323.4	7.6	99.0	1.3	0.0
8.9	32.8	2523.8	750.0	7.2	3.9	150.3	3.4	-1.4	3.1	303.4	323.4	7.6	99.0	1.3	0.0
9.4	34.5	2802.4	725.0	5.7	3.5	141.2	3.7	-1.8	3.3	303.7	323.4	6.8	99.0	1.3	0.0
10.9	37.4	3082.1	700.0	7.4	2.7	148.2	3.7	-1.9	3.1	305.2	325.0	6.7	99.0	1.3	0.0
12.0	41.0	3357.7	675.0	1.4	0.9	150.4	3.3	-1.6	2.9	307.2	324.5	6.1	99.0	1.3	0.0
13.1	44.1	3637.0	650.0	-0.7	-4.4	165.1	3.2	-3.8	3.1	308.2	320.4	4.2	99.0	1.3	0.0
14.2	47.1	3900.7	625.0	-2.0	-6.6	170.1	3.0	-3.8	3.1	309.2	317.7	3.7	99.0	1.3	0.0
15.4	50.3	4175.0	600.0	-5.4	-12.1	115.9	2.4	-2.2	1.1	309.9	317.7	3.6	99.0	1.3	0.0
16.6	53.3	4457.4	575.0	-3.0	-14.3	151.1	4.7	-3.1	-2.2	315.4	317.7	0.4	99.0	1.3	0.0
17.9	56.1	4705.2	550.0	-6.4	-16.0	179.9	5.6	-3.1	-2.1	316.0	317.1	0.3	99.0	1.3	0.0
19.2	58.4	4947.3	525.0	-9.3	-17.5	180.1	3.4	-3.4	-0.1	317.3	318.3	0.3	99.0	1.3	0.0
20.5	60.9	5187.6	500.0	-10.7	-19.4	115.7	3.0	-1.8	0.9	320.1	321.0	0.3	99.0	1.3	0.0
22.1	63.3	5434.0	475.0	-13.5	-20.2	123.4	3.1	-2.6	1.7	321.3	323.2	0.2	99.0	1.3	0.0
23.5	65.0	5684.3	450.0	-16.9	-22.8	100.1	4.6	-4.3	1.5	322.9	322.7	0.2	99.0	1.3	0.0
24.7	67.5	5920.4	425.0	-20.4	-24.8	90.2	5.4	-5.4	0.6	323.9	323.7	0.2	99.0	1.3	0.0
26.4	70.3	6166.4	400.0	-24.3	-26.8	90.4	4.4	-4.4	0.0	325.7	325.2	0.1	99.0	1.3	0.0
28.6	73.3	6414.5	375.0	-28.9	-28.3	102.5	3.3	-1.2	0.7	326.0	326.4	0.1	99.0	1.3	0.0
30.3	75.9	6664.3	350.0	-31.1	-32.2	158.7	1.1	-0.4	1.0	326.8	327.1	0.1	99.0	1.3	0.0
32.1	78.4	6909.9	325.0	-35.2	-35.2	278.0	1.1	0.9	0.6	328.2	328.4	0.1	99.0	1.3	0.0
34.4	80.4	7154.4	300.0	-39.4	-39.4	288.1	1.1	2.4	1.0	329.3	329.9	0.1	99.0	1.3	0.0
36.9	82.2	7400.3	275.0	-43.7	-43.7	278.7	2.7	2.7	-0.4	329.7	329.9	0.1	99.0	1.3	0.0
39.1	84.6	7645.5	250.0	-47.9	-47.9	299.4	4.4	4.1	-2.4	329.7	329.9	0.1	99.0	1.3	0.0
41.6	87.4	7891.7	225.0	-52.1	-52.1	299.4	7.9	7.0	-3.3	330.8	330.8	0.1	99.0	1.3	0.0
44.0	90.4	8137.3	200.0	-56.4	-56.4	280.4	5.9	4.5	-2.1	330.9	330.9	0.1	99.0	1.3	0.0
46.5	93.3	8382.4	175.0	-60.4	-60.4	280.4	9.8	9.3	-3.0	331.7	331.7	0.1	99.0	1.3	0.0
49.0	96.3	8627.6	150.0	-64.4	-64.4	280.4	4.9	4.0	-3.6	332.6	332.6	0.1	99.0	1.3	0.0
51.5	99.3	8872.8	125.0	-68.4	-68.4	280.4	9.6	7.6	-4.1	333.6	333.6	0.1	99.0	1.3	0.0
54.0	102.3	9117.9	100.0	-72.4	-72.4	280.4	5.7	1.1	-5.6	334.6	334.6	0.1	99.0	1.3	0.0
56.5	105.0	9363.0	75.0	-76.4	-76.4	280.4	7.2	-1.7	-3.8	335.6	335.6	0.1	99.0	1.3	0.0
59.0	107.7	9608.1	50.0	-80.4	-80.4	280.4	4.2	-7.1	-1.6	336.6	336.6	0.1	99.0	1.3	0.0
61.5	110.4	9853.2	25.0	-84.4	-84.4	280.4	9.0	-7.4	4.4	337.6	337.6	0.1	99.0	1.3	0.0

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 2 AND 10 DEG
 * BY TEND MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 2 DEG

STATION NO. 340
LITTLE ROCK, ARKANSAS

28 MAY 1977

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

183 11. 1

TIME MIN.	CNTCT	WFLGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MR RTQ GP/KG	RM PCT	ANGLE KM	AZ DG
0.0	7.0	173.0	987.8	21.6	14.7	270.0	1.5	1.5	0.0	295.7	324.0	10.8	45.0	0.0	0.0
0.0	9.7	99.0	1003.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.4	6.2	295.0	571.0	24.4	18.0	336.2	1.3	1.4	-2.9	297.7	336.4	13.4	67.4	0.2	0.2
1.2	10.3	423.0	550.0	24.3	17.0	353.1	1.7	-0.8	1.5	301.9	336.6	12.9	63.6	0.1	70.0
2.0	12.3	756.7	925.0	22.2	14.8	233.3	1.7	1.4	1.0	302.0	332.2	11.8	62.0	0.2	58.0
2.8	14.5	936.6	900.0	20.2	13.7	254.3	2.0	1.9	0.5	302.3	332.3	11.1	64.3	0.2	60.0
3.7	16.5	1247.3	875.0	17.9	12.1	277.2	1.6	1.6	-0.2	302.3	330.1	10.2	68.9	0.3	68.0
4.6	18.8	1495.1	850.0	16.3	9.3	298.0	0.7	0.6	-0.3	303.2	327.1	8.7	63.3	0.4	73.0
5.5	20.0	1748.7	825.0	14.9	5.6	290.5	1.0	0.9	-0.4	304.3	323.8	7.0	53.0	0.4	76.0
6.4	23.3	1908.8	800.0	13.6	2.8	280.7	3.8	3.6	-1.2	305.6	322.3	5.9	48.2	0.5	82.0
7.4	25.5	2245.7	775.0	11.8	1.4	299.6	4.8	4.2	-2.4	306.5	322.2	5.5	48.2	0.5	83.0
8.2	27.8	2540.4	750.0	10.1	-0.4	321.5	4.4	2.8	-3.5	307.5	321.9	5.0	48.2	1.0	101.0
9.1	30.4	2820.7	725.0	8.1	-3.7	335.3	4.5	1.9	-4.0	308.4	320.2	4.0	42.8	1.2	111.0
10.2	32.9	3109.3	700.0	6.2	-6.5	323.0	5.4	3.2	-4.3	309.3	319.4	3.4	39.7	1.4	118.0
11.2	35.4	3408.3	675.0	3.7	-4.9	306.4	7.4	6.1	-4.2	309.9	321.2	4.0	33.4	1.7	122.0
12.1	38.0	3711.6	650.0	1.1	-5.2	295.1	9.6	8.7	-4.0	310.2	322.0	4.0	22.6	2.2	121.0
13.1	40.5	4025.8	625.0	-1.5	-10.2	295.2	9.5	8.6	-4.1	310.7	319.3	2.8	21.6	2.8	119.0
14.2	43.2	4349.8	600.0	-2.7	-35.8	297.9	7.1	6.3	-3.3	313.1	314.1	0.3	5.6	3.4	116.0
15.5	46.1	4695.2	575.0	-5.0	-37.2	295.9	6.1	5.5	-2.7	314.1	315.0	0.3	5.6	3.9	115.0
16.7	49.1	5031.4	550.0	-7.0	-39.1	296.4	4.5	7.5	-4.1	315.8	316.7	0.2	5.6	4.4	118.0
17.9	51.9	5368.9	525.0	-8.3	-39.8	293.4	12.2	11.2	-4.9	318.5	319.3	0.2	5.7	5.1	118.0
19.1	55.0	5771.6	500.0	-10.9	-42.1	286.5	13.8	13.3	-3.9	319.9	320.6	0.2	5.9	6.1	117.0
20.5	58.0	6163.8	475.0	-13.5	-44.5	290.2	12.0	11.2	-4.1	321.3	321.9	0.1	5.2	7.2	115.0
21.6	61.3	6577.3	450.0	-16.2	-42.2	288.9	10.4	9.1	-5.0	322.9	323.6	0.2	6.2	8.0	115.0
23.4	64.7	7000.2	425.0	-19.5	-45.1	298.9	12.2	10.7	-5.8	323.6	324.1	0.2	6.4	9.0	116.0
24.9	69.1	7447.2	400.0	-23.6	-48.2	297.3	14.0	13.0	-5.3	324.4	325.4	0.1	6.2	10.3	116.0
26.5	71.6	7913.2	375.0	-27.7	-48.3	297.1	15.9	14.2	-7.3	325.0	325.4	0.1	11.9	11.7	118.0
28.2	75.4	8407.3	350.0	-32.0	-50.1	299.0	16.1	14.1	-7.6	325.6	326.3	0.1	14.5	13.4	116.0
30.0	79.5	8925.3	325.0	-36.9	-51.2	302.7	14.1	15.2	-9.8	325.8	326.1	0.1	16.4	15.2	116.0
32.0	83.5	9474.0	300.0	-41.2	-52.9	306.5	19.7	15.8	-11.7	327.3	327.3	99.9	99.9	17.4	117.0
34.1	87.7	10059.9	275.0	-45.7	-54.9	311.6	19.8	14.8	-13.1	329.1	329.1	99.9	99.9	19.2	119.0
36.6	92.4	10580.3	250.0	-50.0	-59.9	308.4	20.1	15.7	-12.4	331.8	331.8	99.9	99.9	22.3	120.0
39.6	97.2	11170.4	225.0	-54.2	-59.9	306.8	21.3	17.1	-12.8	335.4	335.4	99.9	99.9	25.4	121.0
41.4	102.5	12120.4	200.0	-57.7	-59.9	313.9	17.1	12.3	-11.9	342.3	342.3	99.9	99.9	28.6	122.0
44.2	109.3	12980.2	175.0	-60.7	-59.9	294.5	14.6	13.3	-6.1	350.8	350.8	99.9	99.9	31.1	123.0
47.0	114.5	13725.1	150.0	-64.1	-59.9	300.1	13.8	11.9	-6.9	366.6	366.6	99.9	99.9	24.4	121.0
52.2	121.7	15053.4	125.0	-63.2	-59.9	302.2	10.7	9.1	-5.7	380.7	380.7	99.9	99.9	37.0	122.0
57.1	129.3	16426.7	100.0	-63.4	-59.9	317.7	8.3	5.6	-6.2	405.3	405.3	99.9	99.9	40.3	122.0
63.3	137.7	18143.9	75.0	-65.4	-59.9	339.4	5.7	0.2	-5.7	439.8	439.8	99.9	99.9	41.6	123.0
71.6	146.0	20693.2	50.0	-69.3	-59.9	303.9	7.2	6.0	-4.0	510.8	510.8	99.9	99.9	40.8	127.0
87.7	154.3	25194.4	24.0	-50.3	-59.9	999.9	999.9	999.9	99.9	640.4	640.4	99.9	99.9	38.1	128.0

• BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

• BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

• BY SPEED MEANS ELEVATION ANGLE LFSS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 369
MONEY, MISSOURI28 MAY 1977
20 1100 GMT

TIME MIN	CHTCT	HEIGHT GPH	PR'S MR	TEMP DG C	DEW PT DG C	DIA DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MR RTO GPH	RH PCY	RANGE KM	AZ DG
0.0	10.4	438.0	958.3	18.4	15.6	140.0	5.2	-1.8	4.9	255.1	325.9	11.8	84.0	0.0	0.
0.9	99.0	99.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.9	999.9
0.9	99.0	99.0	575.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.9	999.9
0.0	11.0	512.9	950.0	19.4	15.7	215.6	8.1	4.7	6.6	296.9	328.3	11.9	79.4	0.4	16.
0.4	13.4	746.1	925.0	23.3	17.4	223.3	8.3	5.7	6.1	303.2	340.0	13.7	69.4	0.5	17.
1.7	14.9	985.1	900.0	21.6	15.4	231.7	9.5	7.4	5.9	303.7	337.3	12.4	68.2	0.9	32.
2.4	16.1	1229.1	875.0	19.5	15.5	239.7	9.6	6.3	4.8	304.0	338.7	12.8	77.7	1.3	40.
3.7	20.5	1478.5	850.0	17.2	15.6	245.2	8.8	9.0	3.7	304.1	337.8	12.4	84.7	1.8	47.
4.3	23.0	1773.1	825.0	15.0	13.2	252.6	7.7	7.4	2.3	304.5	336.3	11.7	82.6	2.2	51.
5.1	25.4	1993.9	800.0	13.1	11.4	262.4	7.9	7.9	1.0	305.1	334.5	10.7	89.8	2.6	55.
6.0	29.0	2260.4	775.0	11.2	9.7	268.7	6.8	6.5	0.1	305.8	333.0	9.8	90.7	3.0	59.
7.0	30.6	2474.7	750.0	9.2	7.8	267.6	6.2	6.2	0.3	306.5	331.4	8.9	91.3	3.3	62.
8.1	32.1	2614.6	725.0	6.7	5.4	257.7	5.8	5.6	1.5	306.8	328.8	7.8	91.3	3.6	64.
9.2	35.9	2702.8	700.0	5.2	3.7	246.4	7.9	7.2	3.2	306.2	328.5	7.2	90.2	4.0	68.
10.3	39.4	3199.6	675.0	3.7	-3.3	252.1	6.2	7.8	2.5	307.8	322.8	4.4	60.1	4.6	65.
11.4	41.2	3705.3	650.0	1.3	-6.2	255.1	9.4	8.1	2.1	310.5	322.4	4.0	51.9	5.3	68.
12.2	44.1	4019.4	625.0	-1.7	-8.0	259.0	9.5	9.3	1.6	310.5	322.2	3.9	72.4	6.0	68.
14.7	47.1	4347.7	600.0	-3.6	-13.1	265.4	12.3	12.2	1.0	311.8	318.9	2.3	42.3	7.0	70.
15.2	50.1	4678.4	575.0	-5.2	-18.5	267.0	12.3	12.3	0.6	313.9	318.8	1.5	24.2	8.1	72.
17.4	53.1	5025.0	550.0	-7.5	-22.8	268.9	11.2	11.1	1.5	314.8	318.5	1.1	28.8	9.0	74.
19.9	56.1	5356.1	525.0	-9.9	-17.6	275.5	12.0	11.8	2.6	316.5	322.4	1.8	22.4	9.9	74.
19.9	50.4	5741.0	500.0	-12.5	-19.7	251.6	13.5	12.8	4.3	317.8	323.0	1.4	54.6	10.7	74.
20.9	62.7	6151.6	475.0	-14.6	-23.9	252.8	12.3	11.7	3.6	319.7	323.5	1.2	48.4	11.5	74.
21.9	65.0	6557.9	450.0	-18.4	-25.3	258.2	11.7	11.4	2.8	320.1	323.7	1.1	54.4	12.2	74.
23.2	69.6	6993.2	425.0	-20.5	-24.5	254.6	14.3	13.8	3.8	322.7	326.8	1.2	69.7	13.2	74.
24.4	71.0	7429.4	400.0	-23.4	-27.1	248.7	18.4	17.2	6.7	324.6	328.1	1.0	71.2	14.8	74.
25.0	75.8	7894.8	375.0	-26.2	-29.4	249.4	20.9	19.6	7.3	326.9	329.9	0.9	73.1	16.3	73.
27.8	80.6	8495.3	350.0	-29.2	-33.8	255.6	20.6	20.2	4.8	329.4	331.7	0.6	64.2	18.4	73.
29.5	84.7	8921.3	325.0	-32.9	-38.2	262.8	20.0	19.9	2.5	331.3	332.8	0.4	53.0	20.6	74.
31.2	88.4	9479.0	300.0	-37.4	-43.1	275.0	13.6	13.6	-1.2	332.2	333.2	0.3	56.8	22.1	75.
32.9	93.4	10073.2	275.0	-42.5	-49.9	295.9	15.5	13.9	-0.8	333.7	339.9	99.9	959.9	23.4	77.
34.7	95.0	10709.0	250.0	-47.9	-56.8	292.1	18.2	16.8	-0.8	334.8	349.9	99.9	959.9	24.7	79.
36.3	103.0	11394.1	225.0	-54.4	-64.9	299.3	23.6	22.3	-7.8	335.2	349.9	99.9	959.9	26.5	81.
39.4	108.5	12179.1	200.0	-60.8	-69.9	291.4	22.6	21.0	-8.2	336.5	349.9	99.9	959.9	29.5	85.
40.4	114.3	12948.0	175.0	-69.4	-79.9	286.1	14.5	13.9	-4.0	350.3	349.9	99.9	959.9	31.2	86.
43.5	120.8	13735.4	150.0	-59.0	-69.9	277.5	11.2	11.1	-1.3	358.4	349.9	99.9	959.9	33.7	87.
47.4	126.8	15074.4	125.0	-60.0	-65.4	280.1	13.6	12.8	-2.3	358.2	349.9	99.9	959.9	36.1	88.
51.6	136.0	16442.6	100.0	-65.1	-69.9	331.5	8.1	3.9	-7.1	401.9	349.9	99.9	959.9	38.8	90.
57.5	143.7	18211.5	75.0	-63.8	-69.9	25.0	2.6	-1.1	-2.3	439.2	349.9	99.9	959.9	38.8	91.
65.3	152.3	20727.3	50.0	-58.8	-69.9	79.8	6.2	-0.1	-1.1	503.1	349.9	99.9	959.9	37.2	93.
76.9	161.6	25179.7	25.0	-52.6	-69.9	999.9	999.9	99.0	99.0	633.4	349.9	99.9	959.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 433
SALEM, ILLINOIS28 MAY 1977
1100 GMT

157 13. 8

TIME MIN	CNTCT	WIGHT GPM	PRFS MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GP/KG	RH PCT	RANGE KM	AZ DG
0.0	7.7	175.0	927.5	17.0	13.9	140.0	1.6	-1.0	1.2	291.2	317.6	10.2	82.0	0.0	0.
0.9	90.0	90.0	1000.0	99.9	99.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	9.8	286.1	975.0	24.3	15.2	99.9	99.9	99.9	99.9	209.6	329.8	11.3	86.5	99.9	99.9
1.3	10.8	917.0	950.0	23.0	13.6	99.9	99.9	99.9	99.9	301.3	329.5	10.4	82.9	99.9	99.9
2.1	12.9	744.5	925.0	22.0	9.7	99.9	99.9	99.9	99.9	301.8	324.4	8.2	85.6	0.5	42.
2.9	15.1	991.0	900.0	19.7	8.7	212.5	3.6	1.9	3.0	301.8	323.5	7.9	85.3	0.7	41.
3.7	17.1	1225.8	875.0	17.7	8.3	201.1	4.0	1.5	3.8	302.1	323.8	7.9	84.2	0.9	38.
4.4	19.4	1473.2	850.0	15.7	7.7	204.2	5.3	2.5	4.7	302.6	324.0	7.8	85.0	1.1	34.
5.6	21.5	1725.2	825.0	13.9	6.5	216.2	5.9	3.5	4.8	303.3	323.9	7.4	80.9	1.5	34.
6.6	23.4	1944.1	800.0	11.9	5.1	218.3	5.1	3.2	4.0	303.8	323.1	6.9	83.2	1.8	35.
7.7	26.0	2249.9	775.0	9.5	4.7	222.6	4.1	2.7	3.6	304.0	323.4	6.9	71.9	2.1	35.
8.8	29.5	2521.3	750.0	8.1	-14.2	232.2	2.7	2.1	1.6	305.4	310.6	1.7	19.1	2.3	37.
9.9	31.0	2799.9	725.0	6.5	-21.2	200.0	2.4	0.8	2.3	306.6	309.7	1.0	11.6	2.4	37.
10.9	31.6	3086.2	700.0	4.0	-17.7	145.6	7.0	-3.9	5.8	306.9	311.1	1.4	18.8	2.6	35.
12.0	36.0	3380.6	675.0	2.5	-29.6	120.3	14.4	-12.4	7.3	308.4	310.0	0.5	7.1	2.6	13.
13.0	38.7	3684.9	650.0	1.8	-44.3	257.9	11.3	11.0	2.4	311.0	311.5	0.1	2.1	2.7	12.
14.1	41.2	3990.9	625.0	-0.0	-45.3	216.1	6.2	3.6	5.0	312.4	312.8	0.1	1.7	2.8	29.
15.0	44.0	4325.2	600.0	-2.0	-42.7	171.1	4.0	-0.6	3.9	313.9	314.4	0.1	2.6	3.0	29.
16.2	46.9	4661.6	575.0	-4.5	-47.6	192.7	3.0	0.7	3.0	314.7	315.1	0.1	1.8	3.2	23.
17.5	49.9	5010.2	550.0	-6.6	-46.1	214.9	4.2	2.4	3.5	316.3	316.7	0.1	2.6	3.5	24.
18.5	52.4	5372.9	525.0	-8.0	-44.1	208.9	5.8	2.8	5.1	318.9	319.4	0.1	3.2	3.9	25.
20.0	55.7	5749.9	500.0	-11.1	-42.7	200.2	6.0	2.1	5.6	319.5	320.1	0.2	5.4	4.3	25.
21.6	58.9	6141.2	475.0	-14.4	-39.8	191.3	5.8	1.1	5.7	320.2	321.1	0.2	5.4	4.3	25.
23.0	62.1	6545.6	450.0	-17.2	-42.6	192.5	5.9	1.3	5.8	321.7	322.4	0.2	5.4	4.3	25.
24.5	65.6	6975.5	425.0	-19.7	-43.6	210.7	6.6	3.4	5.7	323.7	324.4	0.2	9.8	5.9	22.
26.1	69.1	7422.4	400.0	-23.1	-49.1	214.2	8.8	4.9	7.2	325.0	327.9	0.9	57.2	6.6	24.
27.6	72.7	7891.4	375.0	-27.0	-52.3	207.6	9.6	4.5	8.5	325.9	328.2	0.7	60.6	7.4	25.
29.2	76.4	8445.0	350.0	-31.7	-56.1	203.0	10.4	4.2	10.0	326.5	328.3	0.5	62.6	8.4	25.
31.2	80.6	8905.6	325.0	-35.6	-60.4	194.0	11.4	3.5	10.8	327.6	328.8	0.3	61.4	9.7	24.
33.4	85.0	9454.8	300.0	-40.5	-64.9	194.2	9.0	2.8	8.5	328.3	329.9	99.9	99.9	11.1	23.
35.5	89.2	10045.4	275.0	-44.5	-69.9	211.8	8.0	4.2	6.8	330.5	330.9	99.9	99.9	12.1	23.
37.4	94.0	10574.4	250.0	-49.9	-74.9	215.6	8.4	4.9	6.8	332.5	332.9	99.9	99.9	13.2	25.
40.4	99.0	11359.4	225.0	-53.9	-79.9	214.2	8.0	4.5	6.6	336.1	336.9	99.9	99.9	14.5	25.
43.3	104.5	12107.8	200.0	-58.7	-84.9	223.5	7.6	5.2	5.5	339.8	339.9	99.9	99.9	15.8	26.
45.2	110.4	12940.0	175.0	-62.3	-89.9	267.9	9.1	9.1	0.3	347.1	347.1	99.9	99.9	17.0	29.
49.7	115.4	13922.0	150.0	-66.4	-94.9	298.0	6.7	5.9	-3.2	367.8	367.8	99.9	99.9	17.3	34.
54.0	124.3	15079.5	125.0	-69.9	-99.9	316.5	7.0	4.8	-3.1	385.0	385.0	99.9	99.9	17.6	40.
59.8	135.3	16419.2	100.0	-60.1	-99.9	341.9	3.8	1.2	-3.6	411.3	411.3	99.9	99.9	16.8	44.
63.1	141.0	17014.4	75.0	-62.1	-99.9	30.9	4.0	-2.1	-3.4	442.0	442.0	99.9	99.9	16.3	47.
73.2	149.7	20737.2	50.0	-56.2	-99.9	71.4	6.6	-6.2	-2.1	511.2	511.2	99.9	99.9	14.1	49.
85.4	159.0	24314.3	25.0	-49.2	-99.9	999.9	999.9	99.9	99.9	643.3	643.3	99.9	99.9	11.0	27.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451
DODGE CITY, KANSAS

28 MAY 1977
1115 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

154 11. 1

TIME MIN	CNCT	WFLGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MX RTO GM/KG	FM PCT	RANGE KM	AZ DEG
0.0	13.6	791.0	515.4	17.8	14.5	90.0	4.2	-4.2	0.0	298.4	328.8	11.4	61.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.5	15.1	917.9	500.0	20.5	15.2	199.5	3.4	0.9	3.3	302.7	344.9	15.8	52.1	0.5	280.
1.4	17.2	1191.7	475.0	19.3	17.4	149.1	5.6	-2.9	4.8	303.8	342.9	14.5	55.3	0.6	295.
2.3	19.6	1477.4	450.0	19.7	14.3	138.7	6.2	-3.1	4.6	305.8	340.4	12.2	71.1	0.9	306.
3.2	21.9	1695.5	425.0	17.6	12.7	133.7	7.2	-3.2	5.0	307.5	338.5	11.3	72.9	1.3	308.
4.1	24.4	1957.5	400.0	15.3	11.4	142.7	9.0	-3.9	6.4	307.5	337.0	10.7	77.3	1.7	310.
4.9	26.7	2221.1	375.0	12.9	10.1	157.7	9.2	-3.8	7.3	307.6	335.7	10.1	82.5	2.1	313.
5.9	29.3	2493.2	350.0	10.5	7.4	162.2	7.7	-2.3	7.3	308.0	332.4	8.7	81.5	2.5	316.
7.0	31.9	2775.1	325.0	6.2	4.8	174.4	9.0	-0.2	8.0	308.4	329.6	7.5	75.1	2.9	322.
7.9	34.5	3047.6	300.0	6.8	-2.3	200.5	9.2	3.2	8.6	310.0	323.6	4.6	52.2	3.3	328.
9.0	37.0	3323.9	275.0	5.4	-4.9	227.3	9.2	6.8	6.3	312.1	320.9	2.9	33.8	3.6	338.
10.3	39.8	3677.4	250.0	3.8	-11.1	271.4	9.0	7.2	5.3	313.3	321.0	2.5	32.7	3.8	346.
11.3	42.4	4000.0	225.0	0.4	-11.8	298.5	7.8	6.8	4.0	313.4	321.1	2.5	38.1	4.0	354.
12.4	45.4	4317.2	200.0	-2.2	-11.9	298.6	7.4	6.3	3.8	313.6	321.5	2.6	47.2	4.2	1.
13.4	48.2	4637.5	175.0	-5.3	-12.9	241.6	7.7	6.8	3.7	313.8	321.4	2.5	55.2	4.5	7.
14.7	51.2	5070.5	150.0	-8.2	-17.6	235.2	10.0	8.2	5.7	315.4	319.9	1.7	46.3	4.9	12.
15.9	54.1	5340.4	125.0	-10.8	-21.5	233.8	13.9	11.2	8.2	315.4	319.6	1.3	40.6	5.6	18.
17.3	57.0	5734.4	100.0	-12.3	-23.0	247.8	16.5	13.3	6.2	318.0	321.9	1.2	40.4	6.5	24.
18.5	60.3	6124.0	75.0	-14.8	-25.0	253.3	19.6	18.2	3.8	319.7	322.9	1.0	37.7	7.5	33.
20.0	63.7	6522.4	50.0	-16.8	-32.9	258.4	20.2	19.8	4.1	322.1	324.0	0.5	23.2	8.7	41.
21.4	64.9	6950.4	25.0	-20.3	-34.2	262.7	21.3	21.1	2.7	323.0	324.4	0.4	22.4	10.2	47.
23.1	70.4	7495.0	0.0	-23.5	-40.8	265.6	23.2	23.1	1.8	323.5	325.4	0.3	16.5	12.1	54.
24.3	74.0	7977.4	275.0	-28.1	-45.8	271.2	22.2	22.2	-0.5	324.5	326.2	0.2	20.3	14.2	55.
25.4	77.8	8364.4	350.0	-32.3	-48.7	276.9	24.9	24.7	-3.0	325.2	326.0	0.2	27.5	16.1	64.
26.4	81.7	8893.2	375.0	-36.3	-48.6	280.9	29.2	28.7	-3.4	326.7	327.3	0.1	26.5	18.6	65.
30.3	85.7	9431.7	100.0	-40.6	99.9	270.1	33.5	33.1	-5.3	328.1	999.9	99.9	99.9	21.7	74.
32.0	90.0	10013.3	275.0	-46.1	99.9	280.3	34.1	33.5	-6.1	328.5	999.9	99.9	99.9	25.1	77.
34.3	94.7	10545.4	250.0	-50.9	99.9	285.3	33.2	31.9	-9.3	330.4	999.9	99.9	99.9	29.1	81.
36.4	99.4	11271.0	225.0	-55.7	99.9	284.4	32.4	31.4	-8.1	333.2	999.9	99.9	99.9	33.2	85.
38.8	104.5	12071.3	200.0	-57.0	99.9	278.6	29.2	28.9	-4.4	342.5	999.9	99.9	99.9	37.5	87.
41.4	110.4	12907.3	175.0	-61.1	99.9	269.6	27.8	27.8	0.2	348.1	999.9	99.9	99.9	42.0	87.
44.3	115.5	13871.4	150.0	-65.7	99.9	273.5	15.0	15.0	-0.9	373.2	999.9	99.9	99.9	46.7	88.
47.7	123.7	15015.9	125.0	-63.1	99.9	251.4	10.4	9.8	3.2	380.8	999.9	99.9	99.9	48.7	87.
50.9	131.7	16337.8	100.0	-62.3	99.9	233.7	8.5	7.1	4.7	407.4	999.9	99.9	99.9	51.6	87.
53.9	140.3	18164.3	75.0	-64.0	99.9	243.5	3.3	3.3	0.1	438.8	999.9	99.9	99.9	53.8	86.
55.5	150.0	20646.4	50.0	-58.8	99.9	112.2	6.6	-6.1	2.5	503.0	999.9	99.9	99.9	50.5	86.
79.5	160.5	25126.7	25.0	-52.1	99.9	999.9	999.9	999.9	999.9	635.2	999.9	99.9	99.9	44.8	86.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

** BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

*** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 456
TOPEKA, KANSAS28 MAY 1977
1100 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES IN	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT Y DG K	MX RTD GM/KG	RM PCT	RANGE KM	AZ DG
0.0	0.6	369.0	975.0	17.4	16.7	180.0	4.2	0.0	4.2	293.1	325.0	12.4	93.0	0.3	0.
00.0	93.9	00.0	1000.0	99.9	99.9	09.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	99.9	07.0	975.0	99.9	99.9	09.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.0	10.4	451.4	950.0	19.4	11.8	219.3	3.5	2.2	2.7	296.8	321.4	5.2	61.9	0.5	171.
1.7	11.1	720.5	925.0	18.3	11.4	237.0	3.5	2.9	1.9	298.1	322.7	9.2	62.8	0.4	151.
2.5	15.3	955.4	900.0	17.5	9.8	255.3	5.0	4.9	1.3	299.5	322.6	8.5	60.6	0.4	128.
3.3	17.5	1105.9	875.0	16.1	8.9	265.1	6.1	6.1	0.2	300.5	322.9	8.2	62.5	0.7	111.
4.1	20.0	1442.0	850.0	14.9	5.0	255.4	5.1	5.0	1.2	301.8	319.7	6.5	51.5	1.0	103.
5.0	22.2	1584.7	825.0	14.0	3.4	249.0	3.5	3.3	1.3	303.4	320.1	5.9	48.8	1.1	97.
5.9	24.9	1751.5	800.0	11.9	2.5	257.5	4.5	4.2	1.0	307.9	320.1	5.9	42.5	1.3	92.
6.9	27.1	2218.6	775.0	10.4	1.5	280.7	4.4	4.2	-1.5	305.1	320.8	5.5	54.0	1.5	82.
7.8	29.4	2450.5	750.0	8.2	0.3	310.4	3.9	3.0	-2.5	305.5	320.5	5.2	57.2	1.8	66.
8.8	32.0	2770.1	725.0	4.0	-1.0	315.5	3.7	2.2	-2.3	306.0	320.1	4.9	60.6	2.0	100.
9.9	35.2	3055.6	700.0	3.3	-1.2	329.2	2.9	1.4	-2.4	306.2	320.6	5.0	72.1	2.1	103.
11.0	37.9	3259.4	675.0	0.8	-1.5	345.9	3.5	0.9	-3.4	306.5	321.2	5.1	84.5	2.2	117.
12.0	40.6	3451.5	650.0	-0.9	-2.1	339.0	6.0	2.1	-5.6	308.0	321.6	4.7	84.6	2.4	113.
13.0	43.5	3645.6	625.0	-3.4	-5.0	326.3	9.4	5.2	-7.8	309.6	320.9	4.2	82.7	2.8	119.
14.1	46.3	3838.3	600.0	-4.9	-8.4	319.0	10.9	7.1	-5.2	310.5	320.6	3.4	76.4	3.4	124.
15.2	49.5	4032.5	575.0	-6.5	-10.6	301.1	10.6	9.1	-3.5	312.3	321.3	3.0	73.6	4.1	125.
16.5	52.5	4228.5	550.0	-8.4	-12.9	288.2	10.7	10.1	-3.5	314.1	316.7	0.8	50.7	4.5	123.
17.7	55.4	4425.5	525.0	-10.9	-15.7	269.0	10.3	9.8	-3.2	315.5	315.9	0.1	3.6	5.7	121.
18.0	58.3	4620.8	500.0	-12.2	-17.7	265.0	12.3	11.3	-3.4	318.1	318.2	0.0	1.0	6.5	119.
20.3	62.5	5031.4	475.0	-14.3	-19.0	260.1	16.4	16.1	-2.9	320.3	320.4	0.0	1.0	7.6	117.
21.7	65.9	5439.2	450.0	-16.7	-20.6	274.1	17.7	17.7	-1.3	322.2	322.3	0.0	1.0	9.0	114.
23.3	69.7	5845.0	425.0	-20.9	-23.3	273.0	17.5	17.5	-0.9	322.1	322.2	0.0	1.0	10.5	111.
24.4	73.1	6250.0	400.0	-24.7	-25.7	274.0	18.6	18.6	-1.3	322.9	323.0	0.0	1.0	12.1	108.
25.4	76.3	6654.0	375.0	-28.9	-28.2	272.7	20.3	20.3	-1.0	323.3	323.4	0.0	1.5	13.9	106.
27.9	81.3	7054.7	350.0	-32.3	-31.6	257.0	16.4	15.9	3.7	323.8	325.3	0.4	62.2	15.7	104.
29.4	85.4	7454.1	325.0	-35.0	-34.6	217.3	14.0	8.5	11.2	328.4	329.9	0.4	69.4	16.6	101.
31.4	89.2	7854.5	300.0	-39.9	-38.9	196.9	15.1	4.4	14.5	329.2	329.9	95.9	95.9	17.1	96.
33.4	93.1	8254.7	275.0	-44.9	-43.9	190.4	16.3	2.9	15.1	330.2	330.9	99.9	95.9	17.1	90.
35.4	97.0	8654.7	250.0	-50.4	-49.9	193.7	21.9	7.0	20.8	330.6	330.9	95.9	95.9	18.0	83.
37.7	101.3	9054.2	225.0	-56.2	-55.2	200.4	25.9	9.1	24.3	332.4	332.9	99.9	95.9	19.8	74.
40.2	105.3	9454.7	200.0	-59.8	-58.8	223.3	23.7	19.0	14.2	334.2	334.9	99.9	99.9	22.7	67.
43.2	111.3	9854.3	175.0	-56.9	-55.9	265.9	17.6	17.5	1.3	355.9	355.9	95.9	95.9	26.7	58.
46.4	124.7	10240.5	150.0	-55.4	-54.4	269.4	9.8	8.8	0.3	367.8	367.9	99.9	95.9	28.5	70.
51.7	132.7	10640.7	125.0	-60.2	-59.2	280.2	8.7	8.6	-1.5	385.9	385.9	95.9	95.9	31.5	72.
56.1	140.3	10941.1	100.0	-64.3	-63.3	284.6	3.7	3.5	-3.0	403.6	403.6	99.9	95.9	32.7	73.
62.9	150.0	11272.2	75.0	-64.4	-63.4	288.2	3.7	-2.4	2.7	437.9	437.9	99.9	95.9	33.6	74.
72.1	159.0	20445.2	50.0	-57.5	-56.5	278.3	4.5	-4.4	-0.9	509.0	509.0	95.9	95.9	21.1	73.
93.9	99.9	99.9	25.0	59.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532
PEORIA, ILLINOIS

28 MAY 1977

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM 1-MINUTE VALUES

161 14. 1

1100 GMT

TIME	CNTP	HEIGHT	REFS	TEMP	CFW	DIR	SPEED	U	V	COMP	POT	E	POT	MX	RTG	FM	RANGE	AZ
MIN		GM		OG C	OG C	OG	M/SEC	M/SEC	M/SEC	M/SEC	OG K	OG A	OG A	GM/KG	PCT	PCT	KM	DG
0.0	7.5	300.0	640.0	17.8	11.1	250.0	2.6	2.4	0.5	0.5	292.3	314.6	314.6	8.5	45.0	45.0	0.0	0.
0.1	7.5	300.0	1000.0	65.9	65.9	65.9	99.9	99.9	99.9	99.9	33.9	99.9	99.9	99.9	95.9	95.9	555.9	599.
0.2	7.0	373.4	373.0	27.0	14.1	44.6	3.4	-2.4	-1.4	-1.4	257.3	325.7	325.7	10.5	60.9	60.9	0.4	43.
1.0	10.1	300.0	600.0	22.7	15.5	200.4	7.5	3.1	1.9	1.9	300.4	330.0	330.0	11.8	63.4	63.4	0.3	57.
1.1	12.1	373.4	373.0	21.7	14.0	251.4	5.9	5.6	5.6	5.6	301.1	330.5	330.5	10.9	63.1	63.1	0.6	64.
2.1	12.4	1217.5	600.0	14.4	17.4	217.5	5.4	5.0	2.9	2.9	301.5	330.7	330.7	10.4	68.2	68.2	0.9	65.
3.1	14.4	1217.5	675.0	17.4	12.0	224.0	7.5	5.3	5.3	5.3	307.3	329.9	329.9	16.1	68.7	68.7	1.2	52.
4.1	12.7	1455.1	675.0	15.6	10.3	214.7	7.5	4.3	4.2	4.2	302.5	327.9	327.9	9.1	70.6	70.6	1.6	56.
5.1	10.0	1770.1	675.0	13.4	4.1	204.9	7.4	3.5	6.5	6.5	303.3	325.2	325.2	8.3	65.3	65.3	1.9	52.
6.1	23.2	1074.8	600.0	11.1	8.3	203.7	5.6	2.7	4.0	4.0	303.0	324.6	324.6	4.6	62.0	62.0	2.3	47.
7.1	25.5	2041.4	725.0	8.7	6.9	203.4	5.7	2.3	5.3	5.3	303.2	325.4	325.4	8.1	68.2	68.2	2.6	44.
8.1	24.0	6512.2	750.0	6.4	5.4	213.0	4.9	2.7	4.1	4.1	301.2	324.7	324.7	7.5	51.6	51.6	2.2	42.
9.1	29.4	6700.7	750.0	4.1	4.0	224.4	5.0	3.7	3.3	3.3	305.0	324.0	324.0	7.1	93.1	93.1	3.1	42.
10.1	33.9	1077.1	700.0	4.1	1.2	214.2	5.7	4.6	3.3	3.3	307.0	324.1	324.1	6.0	61.4	61.4	3.5	44.
11.1	34.6	1077.1	675.0	3.0	-1.6	214.4	5.2	2.9	4.2	4.2	309.0	323.5	323.5	5.0	70.2	70.2	3.9	44.
12.1	41.1	1077.1	675.0	1.9	-1.5	194.7	5.0	0.9	5.9	5.9	311.1	320.4	320.4	3.1	46.4	46.4	4.1	42.
13.1	44.3	1077.1	675.0	0.5	-1.2	141.1	4.5	0.1	6.5	6.5	313.0	317.1	317.1	1.2	20.1	20.1	4.4	38.
14.1	44.3	4313.4	600.0	-2.0	-2.4	134.4	7.4	0.5	7.4	7.4	313.4	315.0	315.0	0.3	6.0	6.0	4.9	35.
15.1	44.3	4455.0	575.0	-4.9	-13.4	195.9	7.7	2.1	7.4	7.4	314.4	316.9	316.9	1.4	30.8	30.8	5.3	32.
16.1	50.9	6013.2	575.0	-5.7	-23.4	207.7	5.7	4.3	4.3	4.3	316.1	319.4	319.4	1.0	24.1	24.1	5.8	32.
17.1	53.9	6744.4	575.0	-6.4	-10.7	202.0	12.3	6.1	11.4	11.4	318.3	323.3	323.3	1.6	41.0	41.0	6.7	31.
18.1	55.9	6744.4	500.0	-11.0	-21.2	202.7	14.8	4.3	13.6	13.6	319.7	324.2	324.2	1.4	42.4	42.4	7.5	31.
19.1	59.9	4755.2	475.0	-14.7	-24.1	194.4	14.2	4.5	13.5	13.5	320.2	324.0	324.0	1.1	43.1	43.1	9.2	29.
20.1	62.9	4532.7	475.0	-17.7	-24.0	174.5	14.1	4.3	13.5	13.5	320.9	324.0	324.0	1.2	58.8	58.8	10.3	28.
21.1	64.0	6744.4	450.0	-20.0	-24.0	154.5	14.7	4.7	13.0	13.0	323.4	323.7	323.7	1.1	65.8	65.8	11.5	27.
22.1	69.4	7113.7	400.0	-24.3	-24.0	144.4	14.4	4.3	12.4	12.4	324.4	323.1	323.1	1.1	63.0	63.0	12.7	26.
23.1	73.9	7113.7	375.0	-24.0	-23.5	134.0	14.0	4.1	13.3	13.3	324.4	324.7	324.7	0.6	56.8	56.8	13.9	25.
24.1	77.4	6744.4	375.0	-22.2	-23.1	124.7	14.3	5.8	13.1	13.1	324.4	324.7	324.7	0.4	55.0	55.0	15.3	25.
25.1	81.3	6002.9	375.0	-15.4	-23.7	117.5	12.4	4.4	10.4	10.4	327.3	324.6	324.6	0.4	67.3	67.3	16.7	25.
26.1	81.3	6413.5	300.0	-40.4	64.6	207.2	8.9	3.4	9.3	9.3	324.4	945.9	945.9	95.9	95.9	95.9	17.9	26.
27.1	83.9	1771.4	375.0	-45.7	64.9	204.4	10.0	4.1	9.1	9.1	324.6	999.9	999.9	99.9	99.9	99.9	19.1	25.
28.1	84.2	10474.8	275.0	-45.4	64.9	224.2	9.3	4.9	6.2	6.2	332.7	999.9	999.9	95.9	95.9	95.9	20.4	26.
29.1	100.2	11735.7	275.0	-54.2	67.5	271.4	10.2	8.0	6.4	6.4	335.4	949.4	949.4	99.9	95.9	95.9	21.7	26.
30.1	105.4	17003.7	200.0	-43.7	61.9	275.0	4.9	7.0	7.0	7.0	337.4	655.9	655.9	99.9	95.9	95.9	23.3	29.
31.1	111.4	17314.4	175.0	-43.4	62.9	244.4	9.6	9.0	3.4	3.4	344.7	999.9	999.9	99.9	95.9	95.9	25.2	31.
32.1	113.4	17014.4	175.0	-43.0	67.9	244.4	4.7	4.7	3.1	3.1	368.5	999.9	999.9	99.9	99.9	99.9	25.3	32.
33.1	125.4	10415.0	125.0	-59.0	63.9	301.5	4.1	6.9	-1.3	-1.3	348.1	599.9	599.9	55.9	95.9	95.9	26.4	36.
34.1	174.7	14400.4	100.0	-51.2	65.5	243.7	3.7	1.1	-7.6	-7.6	409.6	999.9	999.9	99.9	95.9	95.9	26.2	39.
35.1	187.0	14102.2	75.0	-41.4	64.9	34.4	4.8	-2.4	-3.9	-3.9	443.4	999.9	999.9	99.9	95.9	95.9	25.0	41.
36.1	152.3	20745.7	50.0	-57.4	64.9	84.5	7.1	-7.1	-0.4	-0.4	512.6	999.9	999.9	95.9	95.9	95.9	22.5	36.
37.1	147.3	20711.7	25.0	-44.0	64.6	84.9	6.3	-6.3	-0.0	-0.0	645.7	999.9	999.9	99.9	95.9	95.9	18.9	20.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED
 * BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 553
OMAHA, NEBRASKA29 MAY 1977
1100 GMT

147 11.0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RM FCT	RANGE KM	AZ DG
0.0	8.3	400.0	560.0	16.9	15.9	180.0	1.5	0.0	1.5	293.4	324.2	11.9	54.0	0.6	0.
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
0.3	7.1	439.2	560.0	16.5	17.7	202.0	4.7	4.3	-1.8	297.1	332.8	13.6	88.7	0.1	66.
1.1	11.0	720.6	925.0	10.2	16.8	281.0	4.7	4.6	-1.1	298.9	333.8	13.2	86.1	0.3	92.
2.2	13.2	954.5	900.0	17.4	15.1	274.9	4.1	4.1	-0.3	299.4	331.8	12.1	86.6	0.6	55.
3.1	15.4	1137.4	875.0	14.0	12.9	277.4	3.4	3.5	-0.5	300.4	329.4	10.8	82.0	0.4	58.
4.2	17.4	1441.7	850.0	14.4	11.0	280.4	2.1	2.0	-0.4	301.9	327.7	9.9	80.2	1.0	95.
5.3	19.4	1695.7	825.0	12.6	9.3	290.5	2.0	1.9	-1.0	301.9	326.4	9.0	80.3	1.1	96.
6.4	21.7	1953.9	800.0	11.3	7.2	313.2	3.5	2.6	-2.4	303.2	325.4	8.0	76.2	1.2	101.
7.4	24.0	2214.8	775.0	9.9	2.2	303.0	4.6	3.9	-2.5	304.4	320.8	5.8	58.7	1.5	106.
8.5	26.2	2480.7	750.0	7.8	-0.7	297.2	5.0	4.8	-1.5	305.1	319.0	4.9	54.9	1.8	107.
9.6	28.4	2740.0	725.0	6.6	-16.1	279.6	5.5	5.4	-0.9	306.7	312.3	1.9	21.7	2.1	107.
10.7	30.6	3004.4	700.0	4.6	-33.1	276.7	5.9	5.9	-0.7	307.6	308.8	0.3	4.4	2.5	108.
11.8	32.8	3268.7	675.0	2.7	-31.2	273.4	5.8	5.4	-0.4	308.7	310.1	0.4	6.3	2.9	108.
12.9	35.0	3533.0	650.0	-0.4	-20.3	272.4	5.8	5.8	-0.2	308.5	312.2	1.2	20.5	3.3	108.
14.0	37.2	3807.2	625.0	-3.4	-18.1	272.0	5.3	5.3	-0.7	308.6	313.1	1.3	20.8	3.7	108.
15.1	39.4	4081.7	600.0	-6.4	-17.4	270.2	5.0	5.0	-0.0	308.7	313.8	1.6	41.2	4.1	101.
16.2	41.6	4356.0	575.0	-7.4	-54.6	253.7	4.4	4.2	1.2	311.3	311.5	0.0	1.0	4.4	106.
17.3	43.8	4630.1	550.0	-10.4	-56.5	259.1	4.2	4.1	0.9	311.7	311.9	0.0	1.0	4.7	97.
18.4	46.0	4904.2	525.0	-12.2	-57.6	259.7	4.8	4.5	1.4	313.8	313.9	0.0	1.0	5.1	97.
19.5	48.2	5178.3	500.0	-13.4	-58.4	231.0	6.0	4.6	3.8	315.7	316.8	0.0	1.0	5.4	98.
20.6	50.4	5452.4	475.0	-15.9	-43.3	235.3	7.2	5.9	4.1	319.3	319.0	0.2	9.4	5.8	98.
21.7	52.6	5726.5	450.0	-19.4	-29.7	249.3	9.1	7.6	2.9	318.9	321.3	0.7	40.0	6.5	87.
22.8	54.8	6000.6	425.0	-22.7	-38.8	249.6	10.9	10.1	4.2	319.9	321.1	0.3	22.8	7.5	85.
23.9	57.0	6274.7	400.0	-26.4	-66.5	243.0	13.1	11.6	5.9	320.7	320.7	0.0	1.0	8.3	82.
25.0	59.2	6548.8	375.0	-30.6	-69.0	242.9	13.8	12.3	6.3	321.1	321.1	0.0	1.1	10.1	75.
26.1	61.4	6822.9	350.0	-34.4	-72.1	254.7	14.6	14.1	3.9	322.3	322.4	0.0	1.0	11.8	78.
27.2	63.6	7097.0	325.0	-36.1	-75.2	251.3	15.7	15.0	4.5	322.8	322.9	0.0	1.0	13.5	77.
28.3	65.8	7371.1	300.0	-41.7	-69.9	244.3	21.0	18.9	9.1	326.6	326.6	99.9	909.9	15.8	77.
29.4	68.0	7645.2	275.0	-43.1	-69.9	220.4	30.5	19.9	23.2	332.8	332.8	55.5	555.5	19.8	72.
30.5	70.2	7919.3	250.0	-47.9	-69.9	220.5	37.5	19.9	31.7	335.0	335.0	99.9	999.9	22.7	68.
31.6	72.4	8193.4	225.0	-51.4	-69.9	225.4	27.1	19.3	19.0	339.1	339.1	99.9	999.9	26.7	68.
32.7	74.6	8467.5	200.0	-52.9	-69.9	220.5	17.3	11.3	13.2	349.1	349.1	99.9	999.9	29.9	58.
33.8	76.8	8741.6	175.0	-54.8	-69.9	224.4	15.4	10.9	10.9	359.5	359.5	99.9	999.9	32.9	57.
34.9	79.0	9015.7	150.0	-54.7	-69.9	999.9	999.9	99.9	99.9	375.6	375.6	99.9	999.9	35.9	99.
36.0	81.2	9289.8	125.0	-58.9	-69.9	999.9	999.9	99.9	99.9	389.3	389.3	99.9	999.9	38.9	99.
37.1	83.4	9563.9	100.0	-59.3	-69.9	999.9	999.9	99.9	99.9	413.1	413.1	99.9	999.9	41.9	99.
38.2	85.6	9838.0	75.0	-60.3	-69.9	999.9	999.9	99.9	99.9	446.4	446.4	99.9	999.9	44.9	99.
39.3	87.8	10112.1	50.0	-55.1	-69.9	999.9	999.9	99.9	99.9	513.3	513.3	99.9	999.9	47.9	99.
40.4	90.0	10386.2	25.0	-40.0	-69.9	999.9	999.9	99.9	99.9	644.1	644.1	99.9	999.9	50.9	99.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OF TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 662
NORTH PLATTE, NEBRASKA

23 MAY 1977
1115 GMT

TIME MIN	CATC	WIGHT GPM	PRES MB	TEMP FG C	DEW PT FG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	WX PTD GM/KG	FM PCT	RANGE KM	AZ DG
0.0	12.4	847.0	911.4	12.2	4.0	250.0	1.5	1.4	0.5	297.0	311.3	4.9	70.0	0.0	0.
0.3	09.3	847.0	1003.0	09.3	09.0	09.0	07.3	59.9	93.0	59.9	590.9	59.9	955.9	950.9	999.9
0.6	09.3	847.0	975.0	09.3	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
0.9	09.3	847.0	940.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
1.2	09.3	847.0	905.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
1.5	09.3	847.0	870.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
1.8	09.3	847.0	835.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
2.1	09.3	847.0	800.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
2.4	09.3	847.0	765.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
2.7	09.3	847.0	730.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
3.0	09.3	847.0	695.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
3.3	09.3	847.0	660.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
3.6	09.3	847.0	625.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
3.9	09.3	847.0	590.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
4.2	09.3	847.0	555.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
4.5	09.3	847.0	520.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
4.8	09.3	847.0	485.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
5.1	09.3	847.0	450.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
5.4	09.3	847.0	415.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
5.7	09.3	847.0	380.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
6.0	09.3	847.0	345.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
6.3	09.3	847.0	310.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
6.6	09.3	847.0	275.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
6.9	09.3	847.0	240.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
7.2	09.3	847.0	205.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
7.5	09.3	847.0	170.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
7.8	09.3	847.0	135.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
8.1	09.3	847.0	100.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
8.4	09.3	847.0	65.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
8.7	09.3	847.0	30.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
9.0	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
9.3	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
9.6	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
9.9	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
10.2	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
10.5	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
10.8	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
11.1	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
11.4	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
11.7	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
12.0	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
12.3	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
12.6	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
12.9	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
13.2	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
13.5	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
13.8	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
14.1	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
14.4	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
14.7	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
15.0	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
15.3	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
15.6	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
15.9	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9
16.2	09.3	847.0	0.0	09.0	09.0	09.0	09.3	59.9	93.0	59.9	590.9	59.9	955.9	999.9	999.9

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE 70 TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 654
MURON, SOUTH DAKOTA28 MAY 1977
1100 GMT

TIME MIN	ENTCT	HEIGHT GCM	WDS MS	TEMP DG C	DEW PT DG C	OIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO CM/KG	RM PCT	RANGE KM	AZ DG
0.0	9.4	392.0	559.0	12.2	12.2	170.0	1.5	-0.3	1.5	289.9	313.0	5.4	55.5	0.0	0.
9.9	99.9	1003.0	559.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	575.0	559.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.2	10.3	44.0	550.0	15.1	99.9	248.7	3.6	3.3	1.3	292.5	317.5	7.8	60.2	0.3	37.
1.0	12.3	400.3	935.0	16.4	9.0	269.9	4.3	4.3	0.0	296.5	317.5	7.3	56.2	0.4	68.
1.8	14.5	927.4	500.0	16.0	7.5	306.0	3.4	3.1	-2.3	298.1	317.6	7.3	56.2	0.4	68.
2.6	15.5	1146.2	975.0	18.0	-0.0	290.5	2.1	2.0	-0.7	303.2	315.7	4.4	28.5	0.5	82.
3.4	16.5	1412.2	850.0	17.7	-1.0	246.3	3.9	3.6	1.6	304.7	316.8	4.2	28.1	0.6	71.
4.4	20.9	1646.2	825.0	15.8	-3.7	233.0	4.5	3.6	2.7	305.3	315.7	3.3	28.5	0.8	73.
5.3	23.2	1674.0	900.0	13.3	-4.9	234.4	4.3	3.5	2.5	305.4	315.1	3.3	27.8	1.1	65.
6.2	25.5	2131.8	775.0	10.7	-4.7	233.8	3.7	3.0	2.2	305.3	315.5	3.5	32.5	1.3	66.
7.1	27.8	2167.5	750.0	7.9	-4.6	237.8	4.0	3.3	2.1	305.1	315.7	3.6	40.9	1.5	65.
7.9	30.7	2741.0	775.0	5.0	-4.7	229.0	3.7	2.8	2.4	305.0	315.6	3.7	46.3	1.7	64.
9.3	32.8	7027.1	700.0	3.1	-19.0	224.5	4.2	3.0	3.0	306.0	309.8	1.2	17.2	2.0	61.
10.3	34.1	7720.2	575.0	0.6	-21.6	225.2	5.7	4.1	4.0	306.3	309.4	1.0	16.7	2.3	59.
11.4	37.7	7421.9	650.0	-1.5	-24.4	229.2	7.1	5.3	4.6	307.3	309.9	0.9	15.4	2.7	57.
12.4	40.3	7672.5	525.0	-4.2	-23.3	234.0	8.1	6.6	4.8	307.7	310.6	0.9	14.4	3.1	56.
13.5	42.9	4257.0	600.0	-6.1	-26.5	234.4	8.6	7.0	5.0	309.1	311.0	0.5	14.4	3.7	56.
14.6	45.4	4584.4	575.0	-8.7	-30.6	228.7	9.7	7.4	3.8	309.7	311.5	0.5	15.0	4.3	56.
15.8	48.5	4924.7	550.0	-12.2	-24.2	227.1	9.7	9.0	3.8	309.7	311.5	0.6	23.4	4.9	57.
17.1	51.2	5241.7	525.0	-13.4	-35.7	227.0	11.4	10.4	4.4	312.4	313.6	0.3	13.4	5.7	59.
18.1	54.1	5651.3	400.0	-15.2	-38.1	229.9	10.3	8.9	5.3	314.5	315.5	0.3	12.0	6.4	58.
19.5	57.0	6035.4	475.0	-18.7	-36.0	224.8	9.4	6.6	6.7	314.9	316.1	0.4	19.8	7.2	58.
20.9	62.1	6477.6	450.0	-21.8	-35.7	224.1	9.0	6.8	7.1	315.5	317.1	0.4	24.3	8.0	57.
22.4	63.5	6844.1	425.0	-25.0	-34.2	213.5	9.1	5.0	7.6	316.9	318.1	0.4	24.2	8.8	55.
24.1	65.6	7297.1	400.0	-29.0	-36.2	203.0	9.8	3.3	9.0	317.4	318.9	0.4	45.4	9.5	51.
25.8	70.1	7571.4	375.0	-32.5	-34.5	198.9	12.5	3.8	11.9	318.6	319.8	0.4	54.5	10.6	46.
27.4	71.5	8274.3	350.0	-36.0	-34.8	195.3	14.5	3.8	14.0	320.2	321.0	0.2	44.0	11.7	46.
29.2	77.3	8784.4	325.0	-40.6	-39.9	185.4	17.7	2.0	17.5	320.7	321.6	95.5	95.5	13.1	42.
31.2	81.2	9284.1	300.0	-45.3	-39.5	179.6	19.1	-0.1	19.0	321.6	321.6	99.9	95.5	14.9	36.
33.3	85.7	9858.9	275.0	-50.0	-39.0	177.4	13.9	-0.8	19.9	322.0	322.0	99.9	95.5	16.3	31.
34.8	92.5	10387.6	250.0	-45.7	-39.5	167.9	19.4	-4.1	19.0	322.3	322.3	95.5	95.5	19.1	26.
36.2	91.2	11169.2	225.0	-50.1	-39.9	174.1	17.9	-1.9	17.8	341.8	341.8	95.5	95.5	21.4	21.
41.0	99.0	11974.6	200.0	-50.4	-39.9	195.7	14.3	3.9	13.8	352.7	352.7	95.5	95.5	24.0	20.
44.2	106.4	12404.9	175.0	-53.7	-39.9	215.2	11.9	1.8	13.4	362.0	362.0	95.5	95.5	26.7	16.
49.1	110.4	12904.7	150.0	-51.7	-39.9	215.2	11.9	7.0	9.6	381.0	381.0	95.5	95.5	29.4	19.
52.2	114.9	14074.0	125.0	-46.7	-39.5	215.5	8.5	4.9	6.9	392.3	392.3	95.5	95.5	31.7	21.
57.6	121.5	14781.7	100.0	-59.1	-39.9	191.1	4.9	0.9	4.8	413.6	413.6	95.5	95.5	33.9	21.
64.1	131.3	14177.8	75.0	-60.1	-39.9	105.4	6.3	-6.1	1.7	466.9	466.9	95.5	95.5	34.0	20.
71.0	141.7	20749.0	50.0	-55.4	-39.5	111.1	7.0	-6.5	2.5	513.1	513.1	95.5	95.5	34.0	15.
75.9	150.7	25217.6	25.0	-52.2	-39.9	999.9	999.9	99.9	96.9	634.9	634.9	95.5	95.5	33.2	4.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 11001
MARSHALL SFC. ALABAMA28 MAY 1977
1140 GAT

123 50. 0

TIME MIN	CNTCT	WIGHT GPM	FEES MS	TEMP DG C	SEW PB DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	F POT T DG K	MX RTO GP/KG	RM PCT	RANGE KM	AZ DG
0.0	5.2	143.0	529.4	20.4	18.5	110.0	1.0	-0.9	0.3	294.5	330.1	13.7	89.0	0.0	0.
00.9	09.0	99.9	1000.0	99.9	95.9	99.9	99.9	-0.9	99.9	99.9	999.9	99.9	959.9	559.9	559.
00.9	7.3	301.9	075.0	20.2	17.4	250.0	999.9	99.9	99.9	295.5	329.3	13.0	82.9	599.9	999.
00.9	9.7	526.7	525.0	20.1	16.2	999.9	999.9	99.9	99.9	297.5	330.1	12.3	78.2	999.9	999.
0.5	11.1	747.0	525.0	19.3	14.5	177.9	2.6	-0.1	2.6	299.1	330.1	11.7	72.6	0.6	226.
3.6	13.1	902.7	903.0	17.2	14.2	173.8	3.4	-0.3	2.6	299.7	327.8	11.4	62.7	0.9	226.
4.6	15.1	1373.7	975.0	15.3	12.4	140.5	3.4	0.0	3.4	299.7	327.8	10.4	62.7	0.9	226.
5.5	17.0	1479.6	450.0	13.5	10.7	178.0	2.6	-0.1	2.6	300.3	326.2	9.6	63.6	1.1	241.
6.5	19.1	1700.1	425.0	11.5	8.8	149.8	2.9	-1.5	2.5	300.8	324.4	8.7	63.6	1.2	341.
7.5	21.1	1947.5	400.0	10.9	8.0	141.7	4.0	-2.5	3.1	302.0	325.2	8.3	63.6	1.2	326.
8.4	23.3	2251.6	775.0	8.7	6.5	147.7	3.5	-1.9	2.9	303.2	325.5	8.1	63.6	1.7	226.
9.4	25.4	2422.9	753.0	7.5	4.0	127.9	3.5	-2.7	2.1	304.7	323.9	6.8	74.2	1.9	224.
10.0	27.5	2407.1	725.0	6.1	2.0	107.9	2.6	-2.4	0.6	306.1	323.5	6.1	75.0	2.1	330.
11.0	29.6	2388.1	703.0	4.2	0.7	69.1	2.1	-2.1	0.3	307.2	323.6	5.8	77.9	2.2	327.
13.5	31.9	1794.4	475.0	2.3	0.1	105.6	2.0	-1.9	2.5	308.2	324.6	5.7	75.3	2.3	224.
14.6	34.1	1494.8	453.0	0.7	-4.3	151.2	1.3	-0.6	1.1	309.8	322.5	4.3	69.1	2.4	223.
14.0	36.6	4037.0	424.0	-1.4	-6.5	174.0	1.7	-0.2	1.7	310.6	321.9	3.6	65.4	2.5	224.
15.0	38.6	4324.9	430.0	-3.9	-7.5	171.0	2.3	-0.4	2.3	311.6	322.4	3.6	75.9	2.7	226.
16.7	41.3	4631.0	575.0	-7.2	-9.7	150.4	2.1	-0.7	2.0	311.6	322.0	3.4	86.6	2.9	227.
19.5	47.3	5044.0	553.0	-7.3	-23.9	132.0	1.5	-1.5	0.3	315.4	318.7	1.0	25.1	2.9	227.
20.6	49.4	5144.4	525.0	-8.4	-22.7	75.2	2.8	-2.7	-0.7	319.2	319.8	0.5	12.6	3.0	224.
23.4	51.4	4735.9	500.0	-10.4	-20.5	47.9	2.9	-2.7	-1.1	320.4	322.5	0.6	17.3	3.1	216.
23.9	53.6	4735.9	475.0	-12.0	-20.5	47.9	3.9	-3.9	-0.5	322.0	323.0	0.3	9.5	3.2	215.
25.4	55.6	4468.3	450.0	-14.7	-43.9	101.2	4.2	-4.2	0.8	322.9	323.4	0.2	7.1	3.5	210.
27.0	57.4	4974.0	424.0	-19.1	-44.9	144.0	2.1	-1.2	1.7	324.5	325.1	0.2	8.4	3.8	205.
28.5	59.4	4735.9	403.0	-22.6	-47.2	135.2	1.9	1.3	0.8	325.7	326.2	0.1	8.4	3.9	210.
30.1	61.4	4400.7	375.0	-25.8	-49.3	260.8	2.0	1.9	0.3	327.9	327.9	0.1	6.9	3.7	212.
31.8	63.4	4400.7	350.0	-29.2	-50.6	259.4	1.1	1.1	0.2	327.9	328.0	0.1	11.7	2.7	214.
31.6	65.0	4012.9	325.0	-34.1	-50.1	220.1	0.6	0.5	0.4	329.7	330.0	0.1	17.8	2.6	215.
33.6	67.4	9468.1	700.0	-34.6	-52.7	175.7	0.9	-0.6	0.6	330.5	331.0	0.1	21.2	2.7	216.
37.9	71.1	10054.6	275.0	-44.2	-59.9	259.0	2.4	0.0	-2.4	331.2	331.0	99.9	999.9	3.5	214.
42.0	75.0	10451.0	240.0	-44.5	-59.9	259.0	6.4	6.0	-2.2	334.0	334.0	56.6	556.6	2.1	215.
43.7	76.9	11745.0	225.0	-54.2	-66.6	274.0	9.4	9.4	-1.7	335.4	335.4	99.9	556.6	2.4	212.
44.8	78.6	12120.9	203.0	-54.9	-66.6	259.5	4.0	8.7	-1.6	337.8	337.8	99.9	999.9	1.9	17.
46.8	80.6	13045.6	175.0	-62.0	-66.6	300.4	12.1	10.4	-6.1	347.6	347.6	99.9	556.6	2.4	25.
50.7	83.8	14938.0	153.0	-60.2	-66.6	326.8	8.6	4.7	-7.2	355.3	355.3	99.9	999.9	3.1	95.
54.2	105.5	14034.4	125.0	-62.0	-66.6	300.0	9.9	7.7	-4.5	382.7	382.7	99.9	556.6	4.6	105.
54.7	115.0	16414.4	103.0	-61.4	-66.6	248.8	6.3	1.2	-5.2	409.1	409.1	99.9	556.6	6.6	115.
54.7	115.0	14130.7	75.0	-61.7	-66.6	0.8	3.9	-0.1	-3.9	443.7	443.7	99.9	999.9	7.2	125.
71.5	124.0	20731.4	50.0	-57.4	-91.5	99.9	53.9	99.9	99.9	508.2	508.2	99.9	556.6	559.9	556.
90.1	59.0	59.9	25.0	59.9	99.9	99.9	99.9	59.9	99.9	99.9	999.9	99.9	999.9	599.9	999.

* BY SPEED 1 ANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 * BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 ** BY SPEED MEANS ELEVATION ANGLE LESS THAN 4 DEG

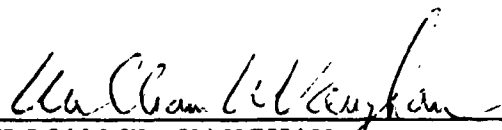
APPROVAL

DATA FOR NASA'S AVE VI EXPERIMENT:
25-mb SOUNDING DATA AND SYNOPTIC CHARTS

By Leonard R. Dupuis and Kelly Hill

The information in this report has been reviewed for security classification. Review of any information concerning Department of Defense or Atomic Energy Commission programs has been made by the MSFC Security Classification Officer. This report, in its entirety, has been determined to be unclassified.

This document has also been reviewed and approved for technical accuracy.


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CHARLES A. LUNDQUIST
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